

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options.
AFS 200: Introduction to African and African Diaspora Studies	3	<input type="checkbox"/>		Grade of C	
MAT 142: College Mathematics (MA)	3	<input type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>		Grade of C in 202	
Humanities, Fine Arts Design (HU) AND Historical Awareness (H)	3	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Math (MA) completed
Social/Behavioral Science (SB) AND Cultural Diversity in the US (C)	3	<input type="checkbox"/>			
Second Language	4	<input type="checkbox"/>		Grade of C in 202	
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
Elective or Minor	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
Second Language if needed or Elective or Minor	4	<input type="checkbox"/>		Grade of C in 202	<ul style="list-style-type: none"> Completed First Year Composition Requirement 2.0 cumulative GPA recommended
Natural Science-Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
Humanities, Fine Arts & Design (HU) AND Global Awareness (G)	3	<input type="checkbox"/>			
Literacy & Critical Inquiry (L)	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
AFH 300: Precolonial Africa	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> 2.0 cumulative GPA recommended
AFS 301: Race and Racism in Africa/African Diaspora	3	<input checked="" type="checkbox"/>		Grade of C	
Second Language if needed or Elective or Minor	4	<input type="checkbox"/>		Grade of C in 202	
Elective or Minor	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
Social/Behavioral Science (SB)	3	<input type="checkbox"/>			<ul style="list-style-type: none"> Second language completed
Natural Science – Quantitative (SQ)	4	<input type="checkbox"/>			
Upper Division Literacy & Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Area or Emphasis Course	3	<input type="checkbox"/>			
Upper Division Social/Behavioral Science (SB) or Humanities, Fine Arts & Design (HU)	3	<input checked="" type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
AFS 312: Contemporary African and African Diaspora Women	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Area of Emphasis Course	3	<input checked="" type="checkbox"/>			
Upper division Area of Emphasis Course	3	<input checked="" type="checkbox"/>			
Upper division Related Area Course	3	<input checked="" type="checkbox"/>			
Elective or Minor	3	<input type="checkbox"/>			
Elective or Minor	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
Upper division Area of Emphasis Course	3	<input checked="" type="checkbox"/>			
Upper division Related Area Course	3	<input checked="" type="checkbox"/>			
Upper division Related Area Course	3	<input checked="" type="checkbox"/>			
Elective or Minor	3	<input type="checkbox"/>			
Elective or Minor	3	<input type="checkbox"/>			
Elective or Minor	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
AFS 484: Internship or 498	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Area of Emphasis Course	3	<input checked="" type="checkbox"/>			
Upper division Related Area Course	3	<input checked="" type="checkbox"/>			
Upper division Related Area Course	3	<input checked="" type="checkbox"/>			
Elective or Minor	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

There is room in this roadmap to add a concurrent degree, a minor or a certificate.

Course Subject and Title (courses in bold/shading are critical)	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirements Notes
TERM ONE: 0 15 CREDIT HOURS					
AIS 180 Intro to American Indian Studies (C)	3	<input type="checkbox"/>			<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Natural Science – Quantitative (SQ)	4	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Elective	2	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
AIS 280 American Indian Sovereignty & the Courts (C, H)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First-year composition requirement must be completed by end of term 3 MAT 142 (or higher) (MA) must be completed by end of term 2
MAT 142 College Mathematics (MA)	3	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Elective or course for a minor	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
AIS 370 American Indian Languages & Cultures	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First Year Composition Completed
Natural Sciences (SG or SQ)	4	<input type="checkbox"/>			
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
AIS emphasis area course	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
AIS 285 Federal Indian Policy	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by end of term 4
AIS 380 Contemporary Issues of American Indian Nations	3	<input checked="" type="checkbox"/>		Grade of C	
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
Social and Behavioral Science (SB) and Global Awareness (G)	3	<input type="checkbox"/>			
Elective or course for a minor	2	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
JUS 302 Basic Statistical Analysis in Justice Studies (CS)	3	<input checked="" type="checkbox"/>			
AIS emphasis area course	3	<input type="checkbox"/>			
Upper division AIS emphasis area course	3	<input checked="" type="checkbox"/>			
Upper division Science & Society course	3	<input checked="" type="checkbox"/>		Grade of C	
Elective or course for a minor	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
Upper division AIS emphasis area course	3	<input checked="" type="checkbox"/>			
Upper division Science & Society course	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
Literacy and Critical Inquiry (L) (ASB 321 Indians of the Southwest recommended)	3	<input type="checkbox"/>			
Elective or course for a minor	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
AIS 420 American Indian Studies Research Methods (L)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division AIS emphasis area course	3	<input checked="" type="checkbox"/>			
Upper division Humanities, Fine Arts, and Design (HU) OR Social and Behavioral Sciences (SB)	3	<input checked="" type="checkbox"/>			
Upper division elective or course for a minor	3	<input checked="" type="checkbox"/>			
Elective or course for a minor	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
AIS 498 Pro Seminar	3	<input checked="" type="checkbox"/>		Grade of C	
AIS 484 Internship	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division AIS emphasis area course	3	<input checked="" type="checkbox"/>			
Upper division elective or course for a minor	3	<input checked="" type="checkbox"/>			
Upper division elective or course for a minor	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
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Additional Notes:

There is room in this roadmap to add a concurrent degree, a minor or a certificate.

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes	
TERM ONE: 0 15 CREDIT HOURS						
ASB 102: Introduction to Cultural & Social Anthropology (SB, G) OR ASM 104: Bones, Stones and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes (HU/SB, G, H)	3-4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course 6 credits each required in Archaeology, Physical Anthropology, Sociocultural Anthropology. Complete Mathematical Studies (MA) by semester 4. Field School Opportunities: (Archaeological, Physical or Ethnographic) can be used toward the distribution requirements in place of on campus courses. 2.5 cumulative GPA in critical courses recommended. Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options 	
MAT 142: College Mathematics or higher (MA)	3	<input type="checkbox"/>		Grade of C		
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Second Language:	4	<input type="checkbox"/>				
Humanities, Fine Arts, and Design (HU):	3	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
ASB 102: Introduction to Cultural & Social Anthropology (SB, G) OR ASM 104: Bones, Stones and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes (HU/SB, G, H)	3-4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> 2.5 cumulative GPA in critical courses recommended. 	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Second Language:	4	<input type="checkbox"/>				
Natural Science – Quantitative (SQ):	4	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
ASB 102: Introduction to Cultural & Social Anthropology (SB, G) OR ASM 104: Bones, Stones and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes (HU/SB, G, H)	3-4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 2.5 cumulative GPA in critical courses recommended. 	
STP *** (CS)	3	<input type="checkbox"/>		Grade of C		
Awareness Area – Cultural (C):	3	<input type="checkbox"/>				
Second Language:	4	<input type="checkbox"/>				
Elective:	3	<input type="checkbox"/>				
TERM FOUR: 46 60 CREDIT HOURS						
Geographic Area Course: Either Archy/Physical or Ethnographic Course	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete second language Complete Mathematical Studies (MA) requirement 	
ASB (Soc/Cult) Upper Division Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Second Language:	4	<input type="checkbox"/>				
Upper Division Elective :	3	<input checked="" type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
Geographic Area Course: Archy/Physical or Ethnographic Course	3	<input checked="" type="checkbox"/>		Grade of C		
ASM (Physical) Upper Division Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
Natural Science – Qualitative or General (SQ or SG) :	4	<input type="checkbox"/>				
Elective	2	<input type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
ASM (Physical) Elective	3	<input checked="" type="checkbox"/>		Grade of C		
ASB/ASM (Archaeology) Upper Division Elective	3	<input checked="" type="checkbox"/>		Grade of C		
ASB (Soc/Cult) Upper Division Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>				
Elective :	3	<input type="checkbox"/>				
TERM SEVEN: 91 105 CREDIT HOURS						
ASB 480: Principles of Linguistics OR (SB) ASB 481: Language and Culture OR (SB) ASB 483: Sociolinguistics and the Ethnography of Communication (SB)	3	<input checked="" type="checkbox"/>		Grade of C		
ASB/ASM Elective	3	<input type="checkbox"/>		Grade of C		
ASB (Archaeology) Upper Division Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Elective :	3	<input checked="" type="checkbox"/>				
Elective	3	<input type="checkbox"/>				

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes
TERM EIGHT: 106 120 CREDIT HOURS					
Upper Division Elective :	3	<input checked="" type="checkbox"/>			
Upper Division Elective :	3	<input checked="" type="checkbox"/>			
Upper Division Elective :	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			

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- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
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Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
CHI 101: First- Year Chinese I (or higher level CHI course depending on placement)	5			Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Minimum 2.34 GPA required in all critical courses. Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options.
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
MAT 142: College Mathematics or higher (MA)	3	<input type="checkbox"/>		Grade of C	
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
CHI 102: First- Year Chinese II (or higher)	5			Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses.
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3			Grade of C	
Computer/Statistics/Quantitative applications (CS):	3	<input type="checkbox"/>			
CHI 194: Introduction to Chinese Culture or Social and Behavioral Sciences (SB) (APA 200: Introduction to Asian Pacific American Studies [SB, C] recommended)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
CHI 201: Second- Year Chinese I (or higher)	5	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses. Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 Complete Mathematical Studies (MA)
<i>Complete one course from:</i> SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy and Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C	
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>			
Literacy (L)	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
CHI 202: Second- Year Chinese II (or higher) (G)	5	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses.
<i>Complete remaining course from:</i> SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy and Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C	
Natural Science-Quantitative or General (SQ/SG)	4	<input type="checkbox"/>			
Cultural Diversity in the US (C) (APA 200: Introduction to Asian Pacific American Studies recommended if not already completed)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
CHI 313: Third- Year Chinese I (G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all CHI, FLA, SLC and East-Asian Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses SLC 420 topic must pertain to Chinese literature..
CHI 321: Chinese Literature (HU) OR CHI 322: Chinese Literature (HU, G) OR SLC 420: Foreign Literature in Translation (HU, G)	3	<input checked="" type="checkbox"/>		Grade of C	
CHI 309: Chinese Conversation OR CHI 311: Chinese Conversation	2	<input checked="" type="checkbox"/>		Grade of C	
JPN/KOR Related Field (course list in DARS)	3	<input type="checkbox"/>		Grade of C	
Social and Behavioral Sciences (SB) (APA 200: Introduction to Asian Pacific American Studies [SB, C] recommended) or if completed, take Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
CHI 314: Third- Year Chinese II (G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all CHI, FLA, SLC and East-Asian Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses SLC 420 topic must pertain to Chinese literature.
CHI 321: Chinese Literature (HU) OR CHI 322: Chinese Literature (HU, G) OR SLC 420: Foreign Literature in Translation (HU, G)	3	<input checked="" type="checkbox"/>		Grade of C	
CHI 310: Chinese Conversation OR CHI 312: Chinese Conversation	2	<input checked="" type="checkbox"/>		Grade of C	
Historical overview of China course (course list in DARS)	3	<input type="checkbox"/>		Grade of C	
JPN/KOR Related Field (course list in DARS)	3	<input type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
CHI 413: Introduction to Classical Chinese (HU)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all CHI, FLA, SLC and East-Asian Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses
CHI Upper Division Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division East-Asian Related Field	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Literacy	3	<input checked="" type="checkbox"/>			
Elective	3	<input checked="" type="checkbox"/>			

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TERM EIGHT: 106 120 CREDIT HOURS					
CHI 414: Introduction to Classical Chinese (HU)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all CHI, FLA, SLC and East-Asian Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses
SLC 498: Pro- Seminar	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division East-Asian Related Field (course list in DARS)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			

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- General Studies Awareness Requirements
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 - Global Awareness (G)
 - Historical Awareness (H)
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Additional Notes:

Minimum grade of "C" in all CHI, FLA, SLC, JPN/KOR, and East-Asian Related Fields courses.

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			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
JPN 101: First-Year Japanese I (or higher level JPN course depending on placement)	5	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Minimum 2.34 GPA required in all critical courses. Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options.
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
MAT 142: College Mathematics or higher (MA)	3	<input type="checkbox"/>		Grade of C	
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Elective – 1 st Year Seminar	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
JPN 102: First-Year Japanese II (or higher)	5	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses.
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
Social and Behavioral Sciences (SB) (APA 200: Introduction to Asian Pacific American Studies [SB, C] recommended)	3	<input type="checkbox"/>			
Elective (recommend *JPN 206: Calligraphy)	1	<input type="checkbox"/>		Grade of C	
TERM THREE: 31 45 CREDIT HOURS					
JPN 201: Second-Year Japanese I (or higher) (G)	5	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses. Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 Complete Mathematical Studies (MA)
<i>Complete one course from:</i> SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy and Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C	
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>			
Humanities/Fine Arts/Design (HU) and Awareness Area (C)	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
JPN 202: Second-Year Japanese II (or higher) (G)	5	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses.
<i>Complete remaining course from:</i> SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy and Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C	
Natural Science-Quantitative or General (SQ/SG)	4	<input type="checkbox"/>			
Literacy (L)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
JPN 313: Third-Year Japanese I (G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Enroll in "IPO" Study Abroad Program credits or listed courses Minimum grade of "C" in all JPN, FLA, SLC and East-Asian Related Fields courses.
JPN 3**	3	<input checked="" type="checkbox"/>		Grade of C	
SLC 421: Japanese Literature in Translation (L or HU, G)	3	<input checked="" type="checkbox"/>		Grade of C	
CHI/KOR Related Field	3	<input checked="" type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
JPN 314: Third-Year Japanese II (G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Enroll in "IPO" Study Abroad Program credits or listed courses Minimum grade of "C" in all JPN, FLA, SLC and East-Asian Related Fields courses.
JPN 3**	3	<input checked="" type="checkbox"/>		Grade of C	
CHI/KOR Related Field	3	<input type="checkbox"/>		Grade of C	
Historical overview of Japan (ARS 473: Art of Japan, HST 303: Studies in Asian History, HST 387: Japan, HST 388: Japan, REL 355: Japanese Cities and Cultures to 1800 or REL 444: Religion in Japan [recommend HU/H or SB/H])	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
JPN 321: Japanese Literature (L or HU, G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Enroll in "IPO" Study Abroad Program credits or listed courses Minimum grade of "C" in all JPN, FLA, SLC and East-Asian Related Fields courses.
JPN 414: Introduction to Classical Japanese	3	<input checked="" type="checkbox"/>		Grade of C	
East-Asian Related Field (list in DARS)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Humanities/Fine Arts/Design (HU)	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
JPN 4**	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Enroll in "IPO" Study Abroad Program credits or listed courses Minimum grade of "C" in all JPN, FLA, SLC and East-Asian Related Fields courses.
SLC 498: Pro- Seminar	3	<input checked="" type="checkbox"/>		Grade of C	
East-Asian Related Field	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Humanities, Fine Arts & Design (HU) or if completed, Upper division Elective	3	<input checked="" type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

Minimum grade of “C” in all JPN, FLA, SLC, CHI/KOR and East-Asian Related Fields courses.

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGECE: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0 15 CREDIT HOURS						
CHM 113: General Chemistry I (SQ)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Maintain 2.0 GPA in all critical courses Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options 	
MAT 170: Precalculus (MA) OR MAT 251: Calculus for Life Science (MA) <i>(depending on math placement score)</i>	3	<input type="checkbox"/>		Grade of C		
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C		
Second language	4	<input type="checkbox"/>		Grade of C in 202		
Social & Behavioral Science (SB) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
CHM 116: General Chemistry II (SQ)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses MAT 251 complete by end of Term 2 	
BIO 187: General Biology I (SG)	4	<input type="checkbox"/>		Grade of C		
MAT 251: Calculus for Life Science <i>or if completed, take Elective</i>	3	<input type="checkbox"/>		Grade of C in MAT 251		
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C		
Second language, if needed or Elective	4	<input type="checkbox"/>		Grade of C in 202		
TERM THREE: 31 45 CREDIT HOURS						
CHM 233: General Organic Chemistry I	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses First Year Composition completed by the end of semester 3 	
CHM 237: General Organic Chemistry Laboratory I	1	<input type="checkbox"/>		Grade of C		
BIO 188: General Biology II (SQ)	4	<input type="checkbox"/>				
PHY 101: Introduction to Physics	4	<input type="checkbox"/>		Grade of C		
Second language, if needed or Elective	4	<input type="checkbox"/>		Grade of C in 202		
TERM FOUR: 46 60 CREDIT HOURS						
CHM 234: General Organic Chemistry II	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses 	
BIO 340: General Genetics	4	<input checked="" type="checkbox"/>				
CHM 302: Environmental Chemistry	3	<input checked="" type="checkbox"/>		Grade of C		
CHM 238: Organic Chemistry Laboratory for Majors II	1	<input type="checkbox"/>		Grade of C		
Second Language if needed or elective	4	<input type="checkbox"/>		Grade of C in 202		
TERM FIVE: 61 75 CREDIT HOURS						
BCH 461: General Biochemistry	3	<input checked="" type="checkbox"/>		Grade of C		
CHM 341: Elementary Physical Chemistry	3	<input checked="" type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>				
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
BCH 462: General Biochemistry	3	<input checked="" type="checkbox"/>		Grade of C		
BCH 467 : Analytical Biochemistry Laboratory (L)	3	<input checked="" type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>				
Social & Behavioral Science (SB) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>				
Upper division BCH/CHM Elective	3	<input checked="" type="checkbox"/>		Grade of C		
TERM SEVEN: 91 105 CREDIT HOURS						
Upper division BCH/CHM Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Computer/Statistics/Quantitative Science (CS)	3	<input checked="" type="checkbox"/>				
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				
Upper division elective	3	<input checked="" type="checkbox"/>				
Upper division elective	3	<input checked="" type="checkbox"/>				
TERM EIGHT: 106 120 CREDIT HOURS						
Upper division CHM or BCH Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division elective	3	<input checked="" type="checkbox"/>				
Upper division elective	3	<input checked="" type="checkbox"/>				
Upper division elective	3	<input checked="" type="checkbox"/>				

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

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- General Studies Core Requirements:
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- First Year Composition

Additional Notes:

Course Subject and Title (courses in <i>bold/shading</i> are critical)	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0 15 CREDIT HOURS						
CHM 117: General Chemistry for Majors I (SQ) or CHM 113: General Chemistry I (SQ)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Maintain 2.0 GPA in all critical courses Consult an academic advisor for Learning Community, Campus Match and First Year Seminar options 	
MAT 170: Precalculus (MA) OR MAT 270: Calculus & Analytical Geometry I (MA) (depending on math placement score)	3 or 4	<input type="checkbox"/>		Grade of C		
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C		
Social & Behavioral Science (SB) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
BIO 187: General Biology I (SG)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses 	
CHM 118: General Chemistry for Majors II (SQ) or CHM 116: General Chemistry II (SQ)	4	<input type="checkbox"/>		Grade of C		
MAT 271: Calculus with Analytic Geometry II or MAT 270: Calculus & Analytical Geometry I	4	<input type="checkbox"/>		Grade of C		
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C		
TERM THREE: 31 45 CREDIT HOURS						
BIO 188: General Biology II (SQ)	4	<input type="checkbox"/>			<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses First Year Composition completed by the end of semester 3 	
CHM 333: Organic Chemistry for Majors or CHM 233: General Organic Chemistry I	3	<input type="checkbox"/>		Grade of C		
MAT 271: Calculus with Analytic Geometry II or if completed, take Elective	4	<input type="checkbox"/>		Grade of C in MAT 271		
CHM 337: Organic Chemistry for Majors I Laboratory or CHM 237: General Organic Chemistry Laboratory I	1	<input type="checkbox"/>		Grade of C		
PHY 111: General Physics & PHY 113: Laboratory	3/1	<input type="checkbox"/>				
TERM FOUR: 46 60 CREDIT HOURS						
BIO 340: General Genetics	4	<input checked="" type="checkbox"/>			<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses 	
CHM 334: Organic Chemistry for Majors II or CHM 234: General Organic Chemistry II	3	<input type="checkbox"/>		Grade of C		
CHM 338: Organic Chemistry for Majors II Laboratory or CHM 238: Organic Chemistry Laboratory for Majors II	1	<input type="checkbox"/>		Grade of C		
PHY 112: General Physics & PHY 114: Laboratory	3/1	<input type="checkbox"/>				
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
BCH 461: General Biochemistry	3	<input checked="" type="checkbox"/>		Grade of C		
BIO 353: Cell Biology	3	<input checked="" type="checkbox"/>				
CHM 341: Elementary Physical Chemistry	3	<input checked="" type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>				
Social & Behavioral Science (SB) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
BCH 462: General Biochemistry	3	<input checked="" type="checkbox"/>		Grade of C		
BCH 463: Biophysical Chemistry	3	<input checked="" type="checkbox"/>		Grade of C		
BCH 467: Analytical Biochemistry Laboratory (L)	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>				
TERM SEVEN: 91 105 CREDIT HOURS						
BCH 464: Biophysical Chemistry Laboratory	2	<input checked="" type="checkbox"/>		Grade of C		
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
Computer/Statistics/Quantitative Science (CS)	3	<input type="checkbox"/>				
Upper division Elective	4	<input checked="" type="checkbox"/>				
Humanities, Fine Arts & Design (HU) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>				
TERM EIGHT: 106 120 CREDIT HOURS						
Upper division CHM or BCH Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				
Elective	3-4	<input type="checkbox"/>				
Upper division elective	3	<input checked="" type="checkbox"/>				
Upper division elective	3	<input checked="" type="checkbox"/>				

Graduation Requirements Summary:

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General University Requirements: Legend

- General Studies Core Requirements:
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 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

Major Map: Biochemistry (Medicinal Chemistry) – Bachelor of Science (B.S.)

College of Liberal Arts and Sciences, Tempe Campus
Catalog Year: 2008-2009

Course Subject and Title (courses in <i>bold/shading</i> are critical)	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0 15 CREDIT HOURS						
CHM 117: General Chemistry for Majors I (SQ) or CHM 113: General Chemistry I (SQ)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Maintain 2.0 GPA in all critical courses Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options 	
MAT 170: Precalculus (MA) OR MAT 270: Calculus & Analytical Geometry I (MA) (depending on math placement score)	3 or 4	<input type="checkbox"/>		Grade of C		
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C		
Social & Behavioral Science (SB) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
BIO 187: General Biology I (SG)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses 	
CHM 118: General Chemistry for Majors II (SQ) or CHM 116: General Chemistry II (SQ)	4	<input type="checkbox"/>		Grade of C		
MAT 271: Calculus with Analytic Geometry II or MAT 270: Calculus & Analytical Geometry I	4	<input type="checkbox"/>		Grade of C		
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C		
TERM THREE: 31 45 CREDIT HOURS						
BIO 188: General Biology II (SQ)	4	<input type="checkbox"/>			<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses First Year Composition completed by the end of semester 3 	
CHM 333: Organic Chemistry for Majors or CHM 233: General Organic Chemistry I	3	<input type="checkbox"/>		Grade of C		
MAT 271: Calculus with Analytic Geometry II or if completed, take Elective	4	<input type="checkbox"/>		Grade of C in MAT 271		
CHM 337: Organic Chemistry for Majors I Laboratory or CHM 237: General Organic Chemistry Laboratory I	1	<input type="checkbox"/>		Grade of C		
PHY 111: General Physics & PHY 113: Laboratory	3/1	<input type="checkbox"/>		Grade of C		
TERM FOUR: 46 60 CREDIT HOURS						
BIO 360: Animal Physiology	3	<input checked="" type="checkbox"/>			<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses 	
CHM 334: Organic Chemistry for Majors II or CHM 234: General Organic Chemistry II	3	<input type="checkbox"/>		Grade of C		
CHM 338: Organic Chemistry for Majors II Laboratory or CHM 238: Organic Chemistry Laboratory for Majors II	1	<input type="checkbox"/>		Grade of C		
PHY 112: General Physics & PHY 114: Laboratory	3/1	<input type="checkbox"/>		Grade of C		
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
BCH 461: General Biochemistry	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses 	
BIO 353: Cell Biology	3	<input checked="" type="checkbox"/>				
CHM 341: Elementary Physical Chemistry	3	<input checked="" type="checkbox"/>		Grade of C		
CHM 343: Elementary Physical Chemistry Laboratory	1	<input checked="" type="checkbox"/>		Grade of C		
Social & Behavioral Science (SB) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input checked="" type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
BCH 462: General Biochemistry	3	<input checked="" type="checkbox"/>		Grade of C		
BCH 463: Biophysical Chemistry	3	<input checked="" type="checkbox"/>		Grade of C		
BCH 467: Analytical Biochemistry Laboratory (L)	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>				
TERM SEVEN: 91 105 CREDIT HOURS						
CHM 433: Advanced Organic Chemistry I	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
Computer/Statistics/Quantitative Science (CS)	3	<input type="checkbox"/>				
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>				
Elective	3 or 4	<input type="checkbox"/>				
TERM EIGHT: 106 120 CREDIT HOURS						
CHM 435: Medicinal Chemistry	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division CHM or BCH elective	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				
Upper division elective	3	<input checked="" type="checkbox"/>				
Upper division elective	3	<input checked="" type="checkbox"/>				

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
BIO 187: General Biology I OR BIO 188: General Biology II OR Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C in BIO 187 or 188	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields BIO 187 and 188 to be completed within first three semesters MAT 251 or equivalent to be completed by end of term 2 Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options
BIO 189: Life Sciences Career Paths	1	<input type="checkbox"/>		Grade of C	
CHM 113: General Chemistry I	4	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
MAT 251: Calculus for Life Sciences (MA)	3	<input type="checkbox"/>		Grade of C	
TERM TWO: 16 30 CREDIT HOURS					
BIO 187: General Biology I OR BIO 188: General Biology II	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields BIO 187 and 188 to be completed within first three semesters MAT 251 or equivalent to be completed by end of term 2
CHM 116: General Chemistry	4	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
BIO 187: General Biology I OR BIO 188: General Biology II OR, if BIO 187 & 188 completed take Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C in BIO 187 or 188	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 BIO 187 and 188 must be completed First-year composition must be completed Maintain 2.0 GPA in all critical courses, major courses, and related fields
CHM 231 Elem Organic Chemistry & CHM 235 Laboratory OR CHM 233 Gen Organic Chemistry I & CHM 237 Laboratory	3/1	<input type="checkbox"/>		Grade of C	
<i>Complete either:</i> MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (if BIO 187 & 188 completed; otherwise take: STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3or 4	<input type="checkbox"/>		Grade of C	
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C	
TERM FOUR: 46 60 CREDIT HOURS					
BIO 320: Fundamentals of Ecology OR BIO 345: Organic Evolution	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields
<i>Complete remaining course(s) from:</i> MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	<input type="checkbox"/>		Grade of C	
CHM 234 Gen Organic Chemistry II & CHM 238 Laboratory OR if CHM 231/235 completed, take Elective	4 or 3	<input type="checkbox"/>		Grade of C in CHM 234 & 238	
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
BIO 320: Fundamentals of Ecology OR BIO 345: Organic Evolution	3	<input checked="" type="checkbox"/>		Grade of C	
BIO 340: General Genetics (4 hrs) OR BIO 353: Cell Biology (3 hrs) OR BIO 360: Animal Physiology (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
PHY 101: Introduction to Physics OR PHY 111: General Physics & PHY 113: Laboratory	4 or 3/1	<input type="checkbox"/>		Grade of C	
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM SIX: 76 90 CREDIT HOURS					
BIO 340: General Genetics (4 hrs) OR BIO 353: Cell Biology (3 hrs) OR BIO 360: Animal Physiology (3 hrs) OR PLB 308: Plant Physiology (4 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
PHY 112: General Physics/Laboratory & PHY 114: Laboratory OR, if PHY 101 completed, take Elective:	4 or 3	<input type="checkbox"/>		Grade of C in PHY 112 & 114	
Upper division Major Elective (Lab)	4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
Organismal Diversity Course	4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective (Lab)	4	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
Upper division Major Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

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Additional Notes:

- Humanities, Literacy and Critical Inquiry, Social Behavioral Sciences, and Science and Society courses are interchangeable in sequencing

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGE: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
BIO 187: General Biology I OR BIO 188: General Biology II OR Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C in BIO 187 or 188	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields BIO 187 and 188 to be completed within first three semesters MAT 251 or equivalent to be completed by end of term 2 Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options
CHM 113: General Chemistry I	4	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
MAT 251: Calculus for Life Sciences (MA)	3	<input type="checkbox"/>		Grade of C	
TERM TWO: 16 30 CREDIT HOURS					
BIO 187: General Biology I OR BIO 188: General Biology II	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields BIO 187 and 188 to be completed within first three semesters MAT 251 or equivalent to be completed by end of term 2
CHM 116: General Chemistry II	4	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
BIO 187: General Biology I OR BIO 188: General Biology II OR, if BIO 187 & 188 completed take Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C in BIO 187 or 188	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 BIO 187 and 188 must be completed First year composition must be completed Maintain 2.0 GPA in all critical courses, major courses, and related fields
CHM 231 Elem Organic Chemistry & CHM 235 Laboratory OR CHM 233 Gen Organic Chemistry I & CHM 237 Laboratory	3/1	<input type="checkbox"/>		Grade of C	
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
<i>Complete one course from:</i> BIO 331: Animal Behavioral (3 hrs) OR BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs) OR BIO 360: Animal Physiology (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields
STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	<input type="checkbox"/>		Grade of C	
CHM 234 Gen Organic Chemistry II & CHM 238 Laboratory OR if CHM 231/235 completed, take Elective	4 or 3	<input type="checkbox"/>		Grade of C in CHM 234 & 238	
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
<i>Complete one additional course from:</i> BIO 331: Animal Behavioral (3 hrs) OR BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs) OR BIO 360: Animal Physiology (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
PHY 101: Introduction to Physics OR PHY 111: General Physics & PHY 113: Laboratory	4 or 3/1	<input type="checkbox"/>		Grade of C	
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Elective	1	<input type="checkbox"/>			

Course Subject and Title (courses in bold/shading are critical)	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM SIX: 76 90 CREDIT HOURS					
<i>Complete one additional course from:</i> BIO 331: Animal Behavioral (3 hrs) OR BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs) OR BIO 360: Animal Physiology (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
PHY 112: General Physics/Laboratory & PHY 114: Laboratory OR, if PHY 101 completed, take Elective	4 or 3	<input type="checkbox"/>		Grade of C in PHY 112 & 114	
<i>Complete one additional course from:</i> BIO 331: Animal Behavior (3 hrs) OR BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs) OR BIO 360: Animal Physiology (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
<i>Complete one course from:</i> BIO 436: Sociobiology & Behavioral Ecology BIO 461: Comparative Animal Physiology BIO 462: Endocrine Physiology BIO 467: Neurobiology	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
BCH 361: Principles of Biochemistry OR BCH 461: General Biochemistry	3	<input checked="" type="checkbox"/>		Grade of C	• Choose between BCH 361 OR BCH 461 & 462
<i>Complete one course from:</i> BIO 436: Sociobiology & Behavioral Ecology BIO 461: Comparative Animal Physiology BIO 462: Endocrine Physiology BIO 467: Neurobiology	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective (Lab)	4	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
BCH 462: General Biochemistry OR if BCH 361 completed, take Upper division elective	3	<input checked="" type="checkbox"/>		Grade of C	• Choose between BCH 361 OR BCH 461 & 462
Upper division Major Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

- Humanities, Literacy and Critical Inquiry, Social Behavioral Sciences, and Science and Society courses are interchangeable in sequencing

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
BIO 187: General Biology I OR BIO 188: General Biology II OR Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C in BIO 187 or 188	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields BIO 187 and 188 to be completed within first three semesters MAT 251 or equivalent to be completed by end of term 2 Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
MAT 251: Calculus for Life Sciences (MA)	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Elective	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
BIO 187: General Biology I OR BIO 188: General Biology II	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields BIO 187 and 188 to be completed within first three semesters MAT 251 or equivalent to be completed by end of term 2
Physical Science (Chemistry preferred)	3 or 4	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
BIO 187: General Biology I OR BIO 188: General Biology II OR, if BIO 187 & 188 completed take Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C in BIO 187 or 188	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 BIO 187 and 188 must be completed First year composition must be completed Maintain 2.0 GPA in all critical courses, major courses, and related fields
Physical Science (Chemistry preferred)	3 or 4	<input type="checkbox"/>		Grade of C	
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C	
Elective	4	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
Physical Science (Chemistry preferred)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields
STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	<input type="checkbox"/>		Grade of C	
Upper division Life Sciences elective	4 or 3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Interface	3	<input checked="" type="checkbox"/>		Grade of C	
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
BIO 311: Biology and Society	3	<input checked="" type="checkbox"/>		Grade of C	
Complete one course from: BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Interface	4 or 3/1	<input checked="" type="checkbox"/>		Grade of C	
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
BIO 314: Research Colloquium in Biology and Society I	2	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> BIO 314 and BIO 414 must be completed for Literacy & Critical Inquiry (L) credit
Complete one additional course from: BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Life Sciences elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Elective	3	<input checked="" type="checkbox"/>			
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>			

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM SEVEN: 91 105 CREDIT HOURS					
Research	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Life Science s Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Interface	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
BIO 414: Research Colloquium in Biology and Society II	1	<input checked="" type="checkbox"/>		Grade of C	• BIO 314 and BIO 414 must be completed for Literacy & Critical Inquiry (L) credit
Upper division Life Sciences Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Interface	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division elective	4	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

- Humanities, Literacy and Critical Inquiry, Social Behavioral Sciences, and Science and Society courses are interchangeable in sequencing

Major Map: Biological Sciences (Conservation Biology and Ecological Sustainability) – Bachelor of Science (B.S.)

College of Liberal Arts and Sciences, Tempe Campus
Catalog Year: 2008-2009

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
BIO 187: General Biology I OR BIO 188: General Biology II OR Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C in BIO 187 or 188	<ul style="list-style-type: none"> • An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • All critical courses must be completed by the end of semester 4 • Maintain 2.0 GPA in all critical courses, major courses, and related fields • BIO 187 and 188 to be completed within first three semesters • MAT 251 or equivalent to be completed by end of term 2 • Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options
CHM 113: General Chemistry I	4	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
MAT 251: Calculus for Life Sciences (MA)	3	<input type="checkbox"/>		Grade of C	
TERM TWO: 16 30 CREDIT HOURS					
BIO 187: General Biology I OR BIO 188: General Biology II	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> • All critical courses must be completed by the end of semester 4 • Maintain 2.0 GPA in all critical courses, major courses, and related fields • BIO 187 and 188 to be completed within first three semesters • MAT 251 or equivalent to be completed by end of term 2
CHM 116: General Chemistry II	4	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
BIO 187: General Biology I OR BIO 188: General Biology II OR, if BIO 187 & 188 completed take Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> • All critical courses must be completed by the end of semester 4 • BIO 187 and 188 must be completed • First year composition must be completed • Maintain 2.0 GPA in all critical courses, major courses, and related fields
CHM 231 Elem Organic Chemistry & CHM 235 Laboratory OR CHM 233 Gen Organic Chemistry I & CHM 237 Laboratory	3/1	<input type="checkbox"/>		Grade of C	
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
BIO 320: Fundamentals of Ecology	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> • All critical courses must be completed by the end of semester 4 • Maintain 2.0 GPA in all critical courses, major courses, and related fields
STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	<input type="checkbox"/>		Grade of C	
CHM 234 Gen Organic Chemistry II & CHM 238 Laboratory OR if CHM 231/235 completed, take Elective	4 or 3	<input type="checkbox"/>		Grade of C in CHM 234 & 238	
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
BIO 322: Conservation Biology and Ecological Sustainability I	3	<input checked="" type="checkbox"/>		Grade of C	
Complete one course from: BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Physical Science (PHY, GPH, GLG with Lab)	4 or 3/1	<input type="checkbox"/>		Grade of C	
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
BIO 323: Conservation Biology and Ecological Sustainability II	3	<input checked="" type="checkbox"/>		Grade of C	
Complete one additional course from: BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>			
Upper division elective	4 or 3	<input checked="" type="checkbox"/>			

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM SEVEN: 91 105 CREDIT HOURS					
Upper division Major Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
Upper division Major Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Elective	2	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

- Humanities, Literacy and Critical Inquiry, Social Behavioral Sciences, and Science and Society courses are interchangeable in sequencing

Major Map: Biological Sciences (Ecology and Evolution) – Bachelor of Science (B.S.)

College of Liberal Arts and Sciences, Tempe Campus
Catalog Year: 2008-2009

			<i>Completed ATP:</i> <input type="checkbox"/> Yes <input type="checkbox"/> No	<i>Completed AGEC:</i> <input type="checkbox"/> Yes <input type="checkbox"/> No	
Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
BIO 187: General Biology I OR BIO 188: General Biology II OR Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C in BIO 187 or 188	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields BIO 187 and 188 to be completed within first three semesters MAT 251 or equivalent to be completed by end of term 2 Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options
CHM 113: General Chemistry I	4	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
MAT 251: Calculus for Life Sciences (MA)	3	<input type="checkbox"/>		Grade of C	
TERM TWO: 16 30 CREDIT HOURS					
BIO 187: General Biology I OR BIO 188: General Biology II	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields BIO 187 and 188 to be completed within first three semesters MAT 251 or equivalent to be completed by end of term 2
CHM 116: General Chemistry II	4	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
BIO 187: General Biology I OR BIO 188: General Biology II OR, if BIO 187 & 188 completed take Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 BIO 187 and 188 must be completed First year composition must be completed Maintain 2.0 GPA in all critical courses, major courses, and related fields
CHM 231 Elem Organic Chemistry & CHM 235 Laboratory OR CHM 233 Gen Organic Chemistry I & CHM 237 Laboratory	3/1	<input type="checkbox"/>		Grade of C	
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
BIO 320: Fundamentals of Ecology	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields
STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	<input type="checkbox"/>		Grade of C	
CHM 234 Gen Organic Chemistry II & CHM 238 Laboratory OR if CHM 231/235 completed, take Elective	4 or 3	<input type="checkbox"/>		Grade of C in CHM 234 & 238	
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
BIO 321: Introductory Ecology Laboratory OR Upper Division Major Concentration	2 or 4	<input checked="" type="checkbox"/>		Grade of C	
Complete one course from: BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
PHY 101: Introduction to Physics OR PHY 111: General Physics & PHY 113: Laboratory	4 or 3/1	<input type="checkbox"/>		Grade of C	
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
BIO 321: Introductory Ecology Laboratory OR Upper Division Major Concentration	2 or 4	<input checked="" type="checkbox"/>		Grade of C	
Complete one additional course from: BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
PHY 112: General Physics/Laboratory & PHY 114: Laboratory OR, if PHY 101 completed, take Elective	4 or 3	<input type="checkbox"/>		Grade of C in PHY 112 & 114	
Upper division Major Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>			

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM SEVEN: 91 105 CREDIT HOURS					
Approved course with BIO, MBB, MIC, or PLB prefix (see advisor)	4	<input type="checkbox"/>		Grade of C	
Upper division Major Concentration	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Concentration	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
Approved course with ASM, BCH, MAT or STP prefix (see advisor)	4	<input type="checkbox"/>		Grade of C	
Upper division Major Concentration	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective (if needed)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	2	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2,000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

- Humanities, Literacy and Critical Inquiry, Social Behavioral Sciences, and Science and Society courses are interchangeable in sequencing

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0 15 CREDIT HOURS						
BIO 187: General Biology I OR BIO 188: General Biology II OR Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C in BIO 187 or 188	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields BIO 187 and 188 to be completed within first three semesters MAT 251 or equivalent to be completed by end of term 2 Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options 	
CHM 113: General Chemistry I	4	<input type="checkbox"/>		Grade of C		
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
MAT 251: Calculus for Life Sciences (MA)	3	<input type="checkbox"/>		Grade of C		
TERM TWO: 16 30 CREDIT HOURS						
BIO 187: General Biology I OR BIO 188: General Biology II	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields BIO 187 and 188 to be completed within first three semesters MAT 251 or equivalent to be completed by end of term 2 	
CHM 116: General Chemistry II	4	<input type="checkbox"/>		Grade of C		
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
BIO 187: General Biology I OR BIO 188: General Biology II OR, if BIO 187 & 188 completed take Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 BIO 187 and must be completed First year composition must be completed Maintain 2.0 GPA in all critical courses, major courses, and related fields 	
CHM 231 Elem Organic Chemistry & CHM 235 Laboratory OR CHM 233 Gen Organic Chemistry I & CHM 237 Laboratory	3/1	<input type="checkbox"/>		Grade of C		
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C		
Elective	3	<input type="checkbox"/>				
TERM FOUR: 46 60 CREDIT HOURS						
BIO 353: Cell Biology	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields 	
STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	<input type="checkbox"/>		Grade of C		
CHM 234 Gen Organic Chemistry II & CHM 238 Laboratory OR if CHM 231/235 completed, take Elective	4 or 3	<input checked="" type="checkbox"/>		Grade of C in CHM 234 & 238		
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>				
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
BIO 351: Developmental Anatomy	3	<input checked="" type="checkbox"/>		Grade of C		
<i>Complete one course from:</i> BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C		
PHY 101: Introduction to Physics OR PHY 111: General Physics & PHY 113: Laboratory	4 or 3/1	<input type="checkbox"/>		Grade of C		
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division elective	3	<input checked="" type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
<i>Complete one additional course from:</i> BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C		
<i>Complete one course from:</i> BIO 446: Principles of Human Genetics (3) (L) MBB/PLB 350: Applied Genetics (4) MBB 343: Genetic Engineering & Society (4)	3 or 4	<input checked="" type="checkbox"/>		Grade of C		
PHY 112: General Physics/Laboratory & PHY 114: Laboratory OR, if PHY 101 completed, take Elective	4 or 3	<input type="checkbox"/>		Grade of C in PHY 112 & 114		
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				
Elective	3	<input type="checkbox"/>				

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM SEVEN: 91 105 CREDIT HOURS					
<i>Complete one course from:</i>					
BIO 456: Bioinformatics & Molecular Evolution	3	<input checked="" type="checkbox"/>		Grade of C	
BIO 455: Intro to Comparative Genomics	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major elective	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
BIO 495: Undergraduate Thesis	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	2	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

- Humanities, Literacy and Critical Inquiry, Social Behavioral Sciences, and Science and Society courses are interchangeable in sequencing

Course Subject and Title (courses in bold/shading are critical)	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0 15 CREDIT HOURS						
BIO 187: General Biology I OR BIO 188: General Biology II OR Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C in BIO 187 or 188	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields BIO 187 and 188 to be completed within first three semesters MAT 251 or equivalent to be completed by end of term 2 Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options 	
CHM 113: General Chemistry I	4	<input type="checkbox"/>		Grade of C		
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
MAT 251: Calculus for Life Sciences (MA)	3	<input type="checkbox"/>		Grade of C		
TERM TWO: 16 30 CREDIT HOURS						
BIO 187: General Biology I OR BIO 188: General Biology II	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields BIO 187 and 188 to be completed within first three semesters MAT 251 or equivalent to be completed by end of term 2 	
CHM 116: General Chemistry II	4	<input type="checkbox"/>		Grade of C		
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
BIO 187: General Biology I OR BIO 188: General Biology II OR, if BIO 187 & 188 completed take Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 BIO 187 and 188 must be completed First-year composition must be completed Maintain 2.0 GPA in all critical courses, major courses, and related fields 	
CHM 231 Elem Organic Chemistry & CHM 235 Laboratory OR CHM 233 Gen Organic Chemistry I & CHM 237 Laboratory	3 or 4	<input type="checkbox"/>		Grade of C		
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C		
Elective	3	<input type="checkbox"/>		Grade of C		
Elective	2	<input type="checkbox"/>				
TERM FOUR: 46 60 CREDIT HOURS						
Complete one course from: BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields 	
STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	<input type="checkbox"/>		Grade of C		
CHM 234 Gen Organic Chemistry II & CHM 238 Laboratory OR if CHM 231/235 completed, take Elective	4 or 3	<input type="checkbox"/>		Grade of C in CHM 234 & 238		
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>				
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
Complete one additional course from: BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C		
PHY 101: Introduction to Physics OR PHY 111: General Physics & PHY 113: Laboratory	4 or 3/1	<input type="checkbox"/>		Grade of C		
Upper division major concentration	3 or 4	<input checked="" type="checkbox"/>		Grade of C		
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>				
Upper division elective	3	<input checked="" type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
Upper division major concentration	3 or 4	<input checked="" type="checkbox"/>		Grade of C		
Upper division major concentration	3 or 4	<input checked="" type="checkbox"/>		Grade of C		
Upper division major elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C		
PHY 112: General Physics/Laboratory & PHY 114: Laboratory OR, if PHY 101 completed, take Elective	4 or 3	<input type="checkbox"/>		Grade of C in PHY 112 & 114		

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM SEVEN: 91 105 CREDIT HOURS					
MBB 440: Functional Genomics	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
Upper division Major Concentration	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division elective	4	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

- Humanities, Literacy and Critical Inquiry, Social Behavioral Sciences, and Science and Society courses are interchangeable in sequencing

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGECS: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
CHM 113: General Chemistry I	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields BIO 187 (or PLB 200/201) and 188 to be completed within first three semesters MAT 251 or equivalent to be completed by end of term 2 Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options
<i>Complete one course from:</i> <ul style="list-style-type: none"> BIO 187: General Biology I (OR PLB 200: Biology of Plants & PLB 201: Laboratory) BIO 188: General Biology II 	4 or 3/1	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
MAT 251: Calculus for Life Sciences (MA)	3	<input type="checkbox"/>		Grade of C	
TERM TWO: 16 30 CREDIT HOURS					
<i>Complete one additional course from:</i> <ul style="list-style-type: none"> BIO 187: General Biology I (OR PLB 200: Biology of Plants & PLB 201: Laboratory) BIO 188: General Biology II 	4 or 3/1			Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields BIO 187 (or PLB 200/201) and 188 to be completed within first three semesters MAT 251 or equivalent to be completed by end of term 2
CHM 116: General Chemistry II	4	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
<i>Complete remaining course from:</i> <ul style="list-style-type: none"> BIO 187: General Biology I (OR PLB 200: Biology of Plants & PLB 201: Laboratory) BIO 188: General Biology II or if requirement completed, take Elective 	4 or 3/1	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 BIO 187 (or PLB 200/201) and 188 to be completed within first three semesters Maintain 2.0 GPA in all critical courses, major courses, and related fields
CHM 231 Elem Organic Chemistry & CHM 235 Laboratory OR CHM 233 Gen Organic Chemistry I & CHM 237 Laboratory	3/1	<input type="checkbox"/>		Grade of C	
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C	
Elective	4	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
Upper division Major Concentration	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields
STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	<input type="checkbox"/>		Grade of C	
CHM 234 Gen Organic Chemistry II & CHM 238 Laboratory OR if CHM 231/235 completed, take Elective	4 or 3	<input checked="" type="checkbox"/>		Grade of C in CHM 234 & 238	
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
<i>Complete one course from:</i> BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
<i>Complete one course from:</i> <ul style="list-style-type: none"> PLB 300: Comparative Plant Diversity (4) (L or SG) PLB 306: Plant Anatomy (4) or PLB 308 Plant Physiology (4) BIO 320: Fundamentals of Ecology (3) BIO 353: Cell Biology (3) or MBB 247: Applied Biosciences: Biotechnology (4) 	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
PHY 101: Introduction to Physics OR PHY 111: General Physics & PHY 113: Laboratory	4 or 3/1	<input type="checkbox"/>		Grade of C	
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	

Course Subject and Title (courses in bold/shading are critical)	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM SIX: 76 90 CREDIT HOURS					
<i>Complete one additional course from:</i> BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
PHY 112: General Physics/Laboratory & PHY 114: Laboratory OR, if PHY 101 completed, take Elective	4 or 3	<input type="checkbox"/>		Grade of C in PHY 112 & 114	
Upper division Major Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
<i>Complete one additional course from:</i> <ul style="list-style-type: none"> • PLB 300: Comparative Plant Diversity (4) (L or SG) • PLB 306: Plant Anatomy (4) or PLB 308 Plant Physiology (4) • BIO 320: Fundamentals of Ecology (3) • BIO 353: Cell Biology (3) or MBB 247: Applied Biosciences: Biotechnology (4) 	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
TERM SEVEN: 91 105 CREDIT HOURS					
<i>Complete two additional courses from:</i> <ul style="list-style-type: none"> • PLB 300: Comparative Plant Diversity (4) (L or SG) • PLB 306: Plant Anatomy (4) or PLB 308 Plant Physiology (4) • BIO 320: Fundamentals of Ecology (3) • BIO 353: Cell Biology (3) or MBB 247: Applied Biosciences: Biotechnology (4) 	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
Upper division Major Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	3 or 4	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective (if needed)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Elective	4	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
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Additional Notes:

- Humanities, Literacy and Critical Inquiry, Social Behavioral Sciences, and Science and Society courses are interchangeable in sequencing

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
CHM 113: General Chemistry I (SQ) or CHM 117: General Chemistry for Majors I (SQ)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Maintain 2.0 GPA in all critical courses Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options
MAT 170: Precalculus (MA) OR MAT 270: Calculus & Analytical Geometry I (MA) (depending on math placement score)	3 or 4	<input type="checkbox"/>		Grade of C	
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	
PHY 111: General Physics & PHY 113 General Physics Laboratory	3/1	<input type="checkbox"/>		Grade of C	
TERM TWO: 16 30 CREDIT HOURS					
CHM 116: General Chemistry II (SQ) or CHM 118: General Chemistry for Majors (SQ) II	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses
MAT 271: Calculus with Analytic Geometry II or MAT 270: Calculus & Analytical Geometry I	4	<input type="checkbox"/>		Grade of C	
PHY 112: General Physics & PHY 114: General Physics Laboratory	3/1	<input type="checkbox"/>		Grade of C	
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	
TERM THREE: 31 45 CREDIT HOURS					
CHM 233: General Organic Chemistry I or CHM 333: Organic Chemistry for Majors I	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses First year composition requirement completed MAT 271 is a critical course and must be complete by end of Term 3
MAT 271: Calculus with Analytic Geometry II or if completed, take Elective	4	<input type="checkbox"/>		Grade of C in MAT 271	
CHM 237: General Organic Chemistry I Laboratory or CHM 337: Organic Chemistry for Majors I Laboratory	1	<input type="checkbox"/>		Grade of C	
CHM 325: Analytical Chemistry & CHM 326 Analytical Chemistry Lab	3/1	<input checked="" type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>		Grade of C in 202	
Upper division elective	3	<input checked="" type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
CHM 234: General Organic Chemistry II or CHM 334: Organic Chemistry for Majors II	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses
CHM 238: General Organic Chemistry II Laboratory	1	<input type="checkbox"/>		Grade of C	
CHM 338: Organic Chemistry for Majors II Laboratory	1	<input type="checkbox"/>		Grade of C	
Second Language or if completed, take Elective	4	<input type="checkbox"/>		Grade of C in 202	
Social & Behavioral Science (SB) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>			
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
CHM 341: Elemental Physical Chemistry	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses
CHM 343: Physical Chemistry Laboratory	1	<input checked="" type="checkbox"/>		Grade of C	
Social & Behavioral Science (SB) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>			
Humanities, Fine Arts & Design (HU) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>			
Second Language or if completed, take Elective	4	<input type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
Upper division BCH/CHM Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
Second Language or if completed, take Elective	4	<input type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
CHM 453: Inorganic Chemistry	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Humanities, Fine Arts & Design (HU) or Social Behavioral Science (SB)	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
Elective	3	<input checked="" type="checkbox"/>			

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM EIGHT: 106 120 CREDIT HOURS					
Upper division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
Elective	1-2	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0 15 CREDIT HOURS						
CHM 117: General Chemistry for Majors I (SQ) or CHM 113: General Chemistry I (SQ)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Maintain 2.0 GPA in all critical courses Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options 	
MAT 270: Calculus with Analytic Geometry I (MA)	4	<input type="checkbox"/>		Grade of C		
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C		
Social & Behavioral Science (SB) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
CHM 118: General Chemistry for Majors II (SQ) or CHM 116: General Chemistry II (SQ)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses 	
MAT 271: Calculus with Analytic Geometry II	4	<input type="checkbox"/>		Grade of C		
PHY 121: University Physics I & PHY 122: University Physics I Lab	3/1	<input type="checkbox"/>		Grade of C		
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C		
TERM THREE: 31 45 CREDIT HOURS						
CHM 333: Organic Chemistry for Majors I or CHM 233: General Organic Chemistry I	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First year composition requirement completed Maintain 2.0 GPA in all critical courses 	
CHM 337: Organic Chemistry for Majors I Laboratory or CHM 237: General Organic Chemistry I Laboratory	1	<input type="checkbox"/>		Grade of C		
PHY 131: University Physics II & PHY 132: University Physics II Lab	3/1	<input type="checkbox"/>		Grade of C		
MAT 272: Calculus with Analytical Geometry III	4	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>				
TERM FOUR: 46 60 CREDIT HOURS						
CHM 334: Organic Chemistry for Majors II or CHM 234: General Organic Chemistry II	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses 	
CHM 338: Organic Chemistry for Majors II Laboratory or CHM 238: General Organic Chemistry II Laboratory	1	<input type="checkbox"/>		Grade of C		
CHM 240: Intro to Physical Chemistry (CS)	3	<input type="checkbox"/>		Grade of C		
Social & Behavioral Science (SB) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>				
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
CHM 325: Analytical Chemistry & CHM 326 Analytical Chem Lab	3/1	<input checked="" type="checkbox"/>		Grade of C		
CHM 345: Physical Chemistry I	3	<input checked="" type="checkbox"/>		Grade of C		
CHM 348: Physical Chemistry I Laboratory (must also complete CHM 349 & CHM 452 to secure L)	1	<input checked="" type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
CHM 327 Instrumental Analysis	3	<input checked="" type="checkbox"/>		Grade of C		
CHM 328: Instrumental Analysis Laboratory	2	<input checked="" type="checkbox"/>		Grade of C		
CHM 346: Physical Chemistry II	3	<input checked="" type="checkbox"/>		Grade of C		
CHM 349: Physical Chemistry II Laboratory (must also complete CHM 348 & CHM 452 to secure L)	1	<input checked="" type="checkbox"/>		Grade of C		
Upper division Humanities, Fine Arts & Design (HU) or Social Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				
Upper division elective	3	<input checked="" type="checkbox"/>				
TERM SEVEN: 91 105 CREDIT HOURS						
CHM 453: Inorganic Chemistry	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division CLAS Science & Society	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division elective	3	<input checked="" type="checkbox"/>				
Upper division elective	3	<input checked="" type="checkbox"/>				
Elective	3	<input type="checkbox"/>				

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM EIGHT: 106 120 CREDIT HOURS					
CHM 460: Biological Chemistry	3	<input checked="" type="checkbox"/>		Grade of C	
CHM 452: Inorganic Chemistry Laboratory (must also complete CHM 348 & CHM 349 to secure L)	1	<input checked="" type="checkbox"/>		Grade of C	
CHM elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division CLAS Science & Society	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
CHM 113: General Chemistry I (SQ) or CHM 117: General Chemistry for Majors I (SQ)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Maintain 2.0 GPA in all critical courses and upper division BCH and CHM courses Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options
MAT 270: Calculus with Analytic Geometry I (MA)	4	<input type="checkbox"/>		Grade of C	
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	
Social & Behavioral Science (SB) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
CHM 116: General Chemistry II (SQ) or CHM 118: General Chemistry for Majors II (SQ)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses and upper division BCH and CHM courses
MAT 271: Calculus with Analytic Geometry II	4	<input type="checkbox"/>		Grade of C	
PHY 121: University Physics I & PHY 122: University Physics I Lab	3/1	<input type="checkbox"/>		Grade of C	
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	
TERM THREE: 31 45 CREDIT HOURS					
CHM 333: Organic Chemistry for Majors I or CHM 233: General Organic Chemistry I	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses and upper division BCH and CHM courses First Year Composition should be completed by the end of semester 3
CHM 337: Organic Chemistry for Majors I Laboratory or CHM 237: General Organic Chemistry I Laboratory	1	<input type="checkbox"/>		Grade of C	
MAT 272: Calculus with Analytic Geometry III	4	<input type="checkbox"/>		Grade of C	
PHY 131: University Physics II & PHY 132: University Physics II Lab	3/1	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
CHM 334: Organic Chemistry for Majors II or CHM 234: General Organic Chemistry II	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all critical courses and upper division BCH and CHM courses
CHM 338: Organic Chemistry for Majors II Laboratory or CHM 238: General Organic Chemistry II Laboratory	1	<input checked="" type="checkbox"/>		Grade of C	
CHM 240: Introduction to Physical Chemistry (CS)	3	<input type="checkbox"/>		Grade of C	
CHM 302: Environmental Chemistry	3	<input checked="" type="checkbox"/>		Grade of C	
CHM 303: Environmental Chemistry Laboratory (must also complete CHM 348 to secure L)	2	<input checked="" type="checkbox"/>		Grade of C	
Social & Behavioral Science (SB) AND Cultural Awareness in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
CHM 345: Physical Chemistry I	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all upper division BCH and CHM courses
CHM 348: Physical Chemistry Laboratory I (must also complete CHM 303 to secure L)	1	<input checked="" type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
CHM 325 Analytical Chemistry and CHM 326 Analytical Chemistry Lab	3/1	<input checked="" type="checkbox"/>		Grade of C	
CHM 341	3	<input checked="" type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
CHM 327: Instrumental Analysis & CHM 328: Instr Analysis Lab	3/2	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all upper division BCH and CHM courses
CHM 481: Geochemistry	3	<input checked="" type="checkbox"/>		Grade of C	
Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
CHM 346 Physical Chemistry II	3	<input checked="" type="checkbox"/>		Grade of C	
TERM SEVEN: 91 105 CREDIT HOURS					
<i>Complete one course from:</i> BIO 320 Fundamentals of Ecology, BIO 426 Limnology, GLG 461 Geomicrobiology	3 or 4	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.0 GPA in all upper division BCH and CHM courses
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>			
CHM 453 Inorganic Chemistry	3	<input checked="" type="checkbox"/>		Grade of C	

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM EIGHT: 106 120 CREDIT HOURS					
CHM 460: Biological Chemistry	3	<input checked="" type="checkbox"/>		Grade of C	• Maintain 2.0 GPA in all upper division BCH and CHM courses
GLG 321: Mineralogy	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGECE: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Complete all critical courses by end of semester 4 Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options COM 308 must be taken at Tempe campus Select COM and Related Area courses in conjunction with academic advisor Complete First Year Composition by end of semester 3 minimum cumulative GPA of 2.5 recommended
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Second Language	4	<input type="checkbox"/>		Grade of C in 202	
Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Math (MA)	3	<input type="checkbox"/>		Grade of C	
TERM TWO: 16 30 CREDIT HOURS					
ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by end of semester 4 COM 308 must be taken at Tempe campus Select COM and Related Area courses in conjunction with academic advisor Complete First Year Composition by end of semester 3 minimum cumulative GPA of 2.5 recommended
COM 100: Introduction to Human Communication (SB)	3	<input type="checkbox"/>		Grade of C	
Natural Science Quantitative (SQ)	4	<input type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>		Grade of C	
TERM THREE: 31 45 CREDIT HOURS					
COM 225: Public Speaking (L)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by end of semester 4 COM 308 must be taken at Tempe campus Select COM and Related Area courses in conjunction with academic advisor Minimum cumulative GPA of 2.5
Second Language	4	<input type="checkbox"/>		Grade of C in 202	
Computer Science/Statistics/Quantitative Science (CS)	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
COM 207: Introduction to Communication Inquiry	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by end of semester 4 COM 308 must be taken at Tempe campus Select COM and Related Area courses in conjunction with academic advisor Minimum cumulative GPA of 2.5
Second Language	4	<input type="checkbox"/>		Grade of C in 202	
COM Elective	3	<input type="checkbox"/>		Grade of C	
Upper division Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H):	3	<input checked="" type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
COM 308: Advanced Research Methods in Communication (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> COM 308 must be taken at Tempe campus Select COM and Related Area courses in conjunction with academic advisor
Upper division COM Elective (SB)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Related Area Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division General Elective	3	<input checked="" type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
COM 4**	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division COM Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Related Area Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Science Quantitative (SQ) or Science General (SG)	4	<input type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
COM 407: Advanced Critical Methods in Communication	3	<input checked="" type="checkbox"/>		Grade of C	
COM 4**	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Related Area Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division General Elective	3	<input checked="" type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
COM 4**	3	<input checked="" type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Complete all critical courses by the end of semester 4 Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options COM 308 must be taken at Tempe campus Select COM and Related Area courses in conjunction with academic advisor GPA of 2.5 recommended
Math (MA)	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Social & Behavioral Science (SB)) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 4 COM 308 must be taken at Tempe campus Select COM and Related Area courses in conjunction with academic advisor Complete First Year Composition by end of semester 3 GPA of 2.5 recommended
COM 100: Introduction to Human Communication (SB)	3	<input type="checkbox"/>		Grade of C	
Natural Science Quantitative (SQ)	4	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
COM 225 (L): Public Speaking	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 4 COM 308 must be taken at Tempe campus Select COM and Related Area courses in conjunction with academic advisor Minimum cumulative GPA of 2.5
Computer Science/Statistics/Quantitative Science (CS)	3	<input type="checkbox"/>			
Natural Science Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
COM 207: Introduction to Communication Inquiry	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 4 COM 308 must be taken at Tempe campus Select COM and Related Area courses in conjunction with academic advisor Minimum cumulative GPA of 2.5
COM Elective	3	<input type="checkbox"/>		Grade of C	
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C	
Upper division Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input checked="" type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
COM 308: Advanced Research Methods in Communication (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> COM 308 must be taken at Tempe campus Select COM and Related Area courses in conjunction with academic advisor
Upper division COM Elective (SB)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Related Area Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
General Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
COM 4**	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division COM Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Related Area Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division General Elective	3	<input checked="" type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
COM 408: Quantitative Research Methods in Communication	3	<input checked="" type="checkbox"/>		Grade of C	
COM 4**	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Related Area Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division General Elective	3	<input checked="" type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
COM 4**	3	<input checked="" type="checkbox"/>			
UD General Elective	3	<input checked="" type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
General Elective	1	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

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Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGECE: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0 15 CREDIT HOURS						
MAT 270: Calculus with Analytic Geometry I (MA)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Complete all critical courses by the end of semester 5 Minimum cumulative 2.60 GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options 	
ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C		
<i>Complete 1 course from:</i> Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science	3	<input type="checkbox"/>				
<i>Complete one from:</i> Cultural Diversity in the US (C) OR Historical Awareness (H)	3	<input type="checkbox"/>				
First Year Seminar (course w/ 191 number)	1	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
CSE 100: Principles of Programming with C++ OR CSE 110: Principles of Programming with Java	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 5 Minimum cumulative 2.60 GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation 	
MAT 271: Calculus with Analytic Geometry II	4	<input type="checkbox"/>		Grade of C		
ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C		
<i>Complete remaining course from:</i> Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science	3	<input type="checkbox"/>				
<i>Complete remaining course from:</i> Cultural Diversity in the US (C) OR Historical Awareness (H)	3	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
CSE 205: Concepts of Computer Science and Data Structures	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First year composition completed Complete all critical courses by the end of semester 5 Minimum cumulative 2.60 GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation 	
MAT 272: Calculus with Analytic Geometry III	4	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science	3	<input type="checkbox"/>				
Global Awareness (G)	3	<input type="checkbox"/>				
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
TERM FOUR: 46 60 CREDIT HOURS						
CSE 240: Introduction to Programming Languages OR CSE 310: Data Structures and Algorithms	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 5 Minimum cumulative 2.60 GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation PHY 121/122 (SQ) advised for Natural Sciences I semester 4, also fulfills Science 	
MAT 275: Modern Differential Equations	3	<input type="checkbox"/>		Grade of C		
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	<input checked="" type="checkbox"/>		Grade of C		
Natural Science Quantitative (SQ)	4	<input type="checkbox"/>				
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
TERM FIVE: 61 75 CREDIT HOURS						
MAT 420: Scientific Computing	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum cumulative 2.60 GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation 	
MAT 243: Discrete Math Structures OR MAT 300: Mathematical Structures (L)	3	<input type="checkbox"/>		Grade of C		
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>				
Upper division Literacy and Critical Inquiry (L) OR if MAT 300 completed take Upper division general elective	3	<input checked="" type="checkbox"/>				
Upper division general elective	3	<input checked="" type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
MAT 421: Applied Computational Methods	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation See the department advisor for a list of advanced science courses. 	
MAT 370: Intermediate Calculus OR MAT 371: Advanced Calculus I OR MAT 460: Vector Calculus	3	<input checked="" type="checkbox"/>		Grade of C		
Science course	4	<input type="checkbox"/>				
Natural Science Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>				
Upper division Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science	3	<input checked="" type="checkbox"/>				

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM SEVEN: 91 105 CREDIT HOURS					
Upper division MAT or STP (advanced) course	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation See the department advisor for a list of advanced science courses.
Upper division (Advanced) Science course	3	<input checked="" type="checkbox"/>			
Science course	4	<input type="checkbox"/>			
Upper division general elective	4	<input checked="" type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
Internship/research/advanced course	3	<input checked="" type="checkbox"/>			<ul style="list-style-type: none"> Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation See the department advisor for a list of advanced science courses.
Upper division MAT or STP (advanced) course	3	<input checked="" type="checkbox"/>		Grade of C	
UD Science	3	<input checked="" type="checkbox"/>			
Upper division general elective	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0 15 CREDIT HOURS						
SES 100: Introduction to Exploration	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options 	
SES 101: Earth, Solar System, and Universe I	3	<input type="checkbox"/>		Grade of C		
SES 103: Earth, Solar System, and Universe Laboratory I	1	<input type="checkbox"/>		Grade of C		
ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C		
MAT 170 if needed or elective	3	<input type="checkbox"/>		Grade of C		
Social& Behavioral Science (SB)	3	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
CHM 113: General Chemistry I (SQ)	4	<input type="checkbox"/>		Grade of C		
MAT 265: Calculus for Engineers I (MA)	3	<input type="checkbox"/>		Grade of C		
SES 102: Earth, Solar System, and Universe II	3	<input type="checkbox"/>		Grade of C		
SES 104: Earth, Solar System, and Universe Laboratory II	1	<input type="checkbox"/>		Grade of C		
ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C		
TERM THREE: 31 45 CREDIT HOURS						
CHM 116: General Chemistry II (SQ)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First Year Composition must be completed by the end of semester 3 	
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>		Grade of C		
SES 210: Engineering Systems and Experimental Design	3	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H):	3	<input type="checkbox"/>				
General Elective	3	<input type="checkbox"/>				
TERM FOUR: 46 60 CREDIT HOURS						
GLG 321: Mineralogy	3	<input checked="" type="checkbox"/>		Grade of C		
PHY 121: University Physics I: Mechanics	3	<input type="checkbox"/>		Grade of C		
PHY 122: University Physics Laboratory I	1	<input type="checkbox"/>		Grade of C		
MAT 267: Calculus for Engineers III	3	<input type="checkbox"/>		Grade of C		
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C		
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H):	3	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
GLG 424: Petrology	3	<input checked="" type="checkbox"/>		Grade of C		
PHY 131: University Physics II: Electricity and Magnetism	3	<input type="checkbox"/>		Grade of C		
PHY 132: University Physics Laboratory II	1	<input type="checkbox"/>		Grade of C		
SES 394: Special Topics: Concepts of Electrical & Mechanical Engineering Design	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
TERM SIX: 76 90 CREDIT HOURS						
MAT 275: Modern Differential Equations	3	<input type="checkbox"/>				
SES 311: Essentials of Astrobiology: Exploration for Life in the Universe	3	<input checked="" type="checkbox"/>		Grade of C		
Branch course	3	<input checked="" type="checkbox"/>				
ESE Elective	3	<input checked="" type="checkbox"/>				
Upper division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>				
TERM SEVEN: 91 105 CREDIT HOURS						
SES 410: Senior Exploration Project I	3	<input checked="" type="checkbox"/>		Grade of C		
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>				
General Elective	3	<input checked="" type="checkbox"/>				
General Elective	2	<input type="checkbox"/>				
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H):	3	<input type="checkbox"/>				
TERM EIGHT: 106 120 CREDIT HOURS						
SES 411: Senior Exploration Project II	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division General Elective	3	<input checked="" type="checkbox"/>				
Upper division General Elective	3	<input checked="" type="checkbox"/>				
Upper division General Elective	3	<input checked="" type="checkbox"/>				
Upper division Humanities, Fine Arts & Design (HU) or Social Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

There is room in this roadmap to add a concurrent degree, minor, or certificate

Course Subject and Title (courses in bold/shading are critical)	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
Course with MAT prefix based on Math Placement Exam score	3 or 4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
Cultural Diversity in the U.S. (C)	3	<input type="checkbox"/>			
Natural Science Quantitative (SQ)	4	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
MAT 210: Brief Calculus (MA) – 3 OR MAT 270: Calculus with Analytic Geometry I – 4 (MA)	3 or 4	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Historical Awareness (H)	3	<input type="checkbox"/>			
Natural Science Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
MAT 211: Mathematics for Business Analysis – 3 OR MAT 271: Calculus with Analytic Geometry II – 4	3 or 4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First year composition requirement completed.
Complete one course from: • ECN 211 Macroeconomic Principles (SB) • ECN 212 Microeconomic Principles	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
Literacy & Critical Inquiry (L)	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
ECN 221: Business Statistics – 3 (CS) OR STP 226: Elements of Statistics – 3 (CS)	3 or 4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses completed
Complete remaining course from: • ECN 211 Macroeconomic Principles (SB) • ECN 212 Microeconomic Principles	3	<input type="checkbox"/>		Grade of C	
Upper division Related Field Elective	3	<input checked="" type="checkbox"/>			
Upper division CLAS Science & Society	3	<input checked="" type="checkbox"/>		Grade of C	
Global Awareness (G)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
ECN 314: Intermediate Microeconomic Theory	3	<input checked="" type="checkbox"/>		Grade of C	
ECN 3**	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Related Field Elective	3	<input checked="" type="checkbox"/>			
Upper division CLAS Science & Society	3	<input checked="" type="checkbox"/>		Grade of C	
General Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
ECN 313: Intermediate Macroeconomic Theory	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> ECN 313 and ECN 314 completed
ECN 3**	3	<input checked="" type="checkbox"/>		Grade of C	
ECN 4**	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
ECN 410: Applied Business Forecasting OR ECN 425: Introduction to Econometrics	3	<input checked="" type="checkbox"/>		Grade of C	
ECN 4**	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division general elective	3	<input checked="" type="checkbox"/>			
General Elective	0-3	<input type="checkbox"/>			
General Elective	0-3	<input type="checkbox"/>			

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM EIGHT: 106 120 CREDIT HOURS					
ECN 475: Capstone in Economics (L) OR ECN 493: Honors Thesis (L)	3	<input checked="" type="checkbox"/>		Grade of C	
UD General Elective	3	<input checked="" type="checkbox"/>			
UD General Elective	3	<input checked="" type="checkbox"/>			
UD General Elective	3	<input checked="" type="checkbox"/>			
UD General Elective	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total upper division Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical, concentration courses are underlined)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
WAC 101: Introduction to Academic Writing or ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult academic advisor for Learning Community, Academic Success Clusters, and First Year Seminar Options.
MAT 142: College Mathematics (or higher) (MA)	3	<input type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>			
Social & Behavioral Science (SB)	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
WAC 101: Introduction to Academic Writing or ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	
Social & Behavioral Science (SB)	3	<input type="checkbox"/>			
Second Language	4	<input type="checkbox"/>			
Natural Science Quantitative (SQ)	4	<input type="checkbox"/>			
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
ENG 200: Critical Reading and Writing About Literature (L)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> 3.0 in English courses beyond first year composition courses recommended.
ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU, H)	3	<input type="checkbox"/>		Grade of C	
ENG 210: Introduction to Creative Writing	3	<input type="checkbox"/>		Grade of C	
Second Language (G if modern language)	4	<input type="checkbox"/>			
Natural Science Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
ENG 241: Literatures of the United States to 1860 (HU)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> 3.0 in English courses beyond first year composition courses recommended.
ENG 310: Intermediate Creative Writing	3	<input checked="" type="checkbox"/>		Grade of C	
Second Language (4 th semester CLAS Proficiency)	4	<input type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
ENG 242: Literatures of the United States, 1860 to Present	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> 3.0 in English courses beyond first year composition courses recommended.
ENG 411: Advanced Creative Writing	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division ENG Literature course (HU)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division ENG Literature course (L & C):	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
ENG 495: Literary Forms: Theory and Practice	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> 3.0 in English courses beyond first year composition courses recommended.
Upper division ENG elective course	3	<input checked="" type="checkbox"/>		Grade of C	
ENG Elective	3	<input type="checkbox"/>		Grade of C	
Upper division elective (that is an Historical Awareness [H] if H not already completed)	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
ENG 498: Pro-Seminar	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> 3.0 in English courses beyond first year composition courses recommended.
Elective (that is a Global Awareness [G] if G not already completed)	3	<input type="checkbox"/>			
Upper division elective OR ENG 484: Internship OR ENG 492: Honors Directed Study	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
ENG 400-level Literature course	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> 3.0 in English courses beyond first year composition courses recommended.
Upper division ENG Elective OR ENG 493: Honors Thesis	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Course Subject and Title <i>(courses in bold/shading are critical, concentration courses are underlined)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
WAC 101: Introduction to Academic Writing or ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course All freshmen are required to pass an academic success class and therefore must enroll in an Academic Success Cluster and/or a First Year Seminar
Modern Second Language	4	<input type="checkbox"/>			
Social/Behavioral Science (SB)	3	<input type="checkbox"/>			
MAT 142: College Mathematics/or higher (MA)	3	<input type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
Academic Success Class OR First Year Seminar	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
WAC 101: Introduction to Academic Writing or ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	3.0 in English courses beyond first-year composition courses required.
Modern Second Language	4	<input type="checkbox"/>			
Social & Behavioral Science (SB)	3	<input type="checkbox"/>			
Natural Science Quantitative (SQ)	4	<input type="checkbox"/>			
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
ENG 200: Critical Reading and Writing About Literature (L)	3	<input type="checkbox"/>			3.0 in English courses beyond first-year composition courses required.
ENG 213 Introduction to the Study of Language OR one of the following: ENG 221 Survey of English Literature (HU) OR ENG 222 Survey of English Literature (HU,H) OR ENG 241 Literatures of the United States to 1860 (HU) OR ENG 242 Literatures of the United States, 1860 to Present (HU)	3	<input type="checkbox"/>			
Modern Second Language (G)	4	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Natural Science Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
ENG 213 Introduction to the Study of Language OR one of the following: ENG 221 Survey of English Literature (HU) OR ENG 222 Survey of English Literature (HU,H) OR ENG 241 Literatures of the United States to 1860 (HU) OR ENG 242 Literatures of the United States, 1860 to Present (HU)	3	<input type="checkbox"/>			3.0 in English courses beyond first-year composition courses required.
ENG 312 English in Its Social Setting (SB) OR ENG 314 Modern Grammar	3	<input checked="" type="checkbox"/>			
Modern Second Language (4 th semester CLAS Proficiency)	4	<input type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
ENG 312 English in Its Social Setting (L) OR ENG 314 Modern Grammar	3	<input checked="" type="checkbox"/>			3.0 in English courses beyond first-year composition courses required.
Upper-division ENG/ENH Elective (HU & C)	3	<input checked="" type="checkbox"/>			
Modern Language 300 level	3	<input checked="" type="checkbox"/>			
ENG 413 History of English Language (HU)	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
ENG 313 Phonology and Morphology	3	<input checked="" type="checkbox"/>			3.0 in English courses beyond first-year composition courses required.
ENG 414 Studies in Linguistics	3	<input checked="" type="checkbox"/>			
Upper-division ENG/ENH Elective (recommended: ENG 385 Career Development for English Majors)	3	<input checked="" type="checkbox"/>			
Modern Language 300 level	3	<input checked="" type="checkbox"/>			
Elective (2 units—or two 1-unit Electives)	2	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
ENG 414 Studies in Linguistics	3	<input checked="" type="checkbox"/>			3.0 in English courses beyond first-year composition courses required.
Modern Language 400 Level	3	<input checked="" type="checkbox"/>			
Upper-division Elective OR ENG 484 Internship OR ENG 492 Honors Directed Study	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			

Course Subject and Title <i>(courses in bold/shading are critical, concentration courses are underlined)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM EIGHT: 106 120 CREDIT HOURS					
ENG 414 Studies in Linguistics	3	<input checked="" type="checkbox"/>			3.0 in English courses beyond first-year composition courses required.
Upper-division ENG/ENH Elective OR ENG 493 Honors Thesis	3	<input checked="" type="checkbox"/>			
Upper-division Elective (that is an Historical Awareness [H] if H not already completed)	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total UD Hours (minimum 45)	Cumulative GPA (2.00 minimum)	Total Hrs at ASU (minimum 30)	Resident Credit for Academic Recognition (minimum 56)	Total Comm. College Hrs. (maximum 64)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
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 - Humanities, Fine Arts, and Design (HU)
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 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

BA in English with Concentration in Linguistics (42 hours), 2009-10 Catalog

Required Courses

- ENG 200 Critical Reading and Writing about Literature (L/HU)
- ENG 213 Introduction to the Study of Language (or ASB 480 Principles of Linguistics [SB])
- ENG 221 Survey of English Literature to 1798 (HU) or ENG 222 Survey of English Literature since 1798 (HU, H) or ENG 241 Literatures of the United States to 1860 (HU) or ENG 242 Literatures of the United States, 1860 to Present (HU)
- ENG 312 English in Its Social Setting (L/HU/SB)
- ENG 313 Phonology and Morphology (Spring semester only)
- ENG 314 Modern Grammar
- ENG 413 History of the English Language (HU)
- ENG 414 Studies in Linguistics (to be repeated for a total of 9 credit hours)
- ENG 414
- ENG 414

Twelve additional hours are electives chosen in consultation with the student’s advisor. These courses must be at the 200 level and above, and up to 2 non-ENG courses closely related to English may be used with prior advisor approval. At least one must be a 3-credit course in a modern language other than English at the 400 level or above. Internships (ENG 484) and/or ENG 385 Career Development for English Majors are highly encouraged.

ENG/ENH ____
 ENG/ENH ____
 ENG/ENH ____
 _____ (400-level modern language course)

Among the total of 42 hours in the major:

- At least 18 hours must be upper division (300 or 400 level), with at least 12 of these hours taken at ASU (any campus).
- One 300- or 400-level course must carry the General Studies “L.”
- All courses in the major must earn a grade of C (2.00) or higher.

Course Subject and Title <i>(courses in bold/shading are critical, concentration courses are underlined)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
WAC 101 Introduction to Academic Writing or ENG 101 or 102: First-Year Composition or ENG 105 Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course All freshmen are required to pass an academic success class and therefore must enroll in an Academic Success Cluster and/or a First Year Seminar
MAT 142 College Mathematics/or higher (MA)	3	<input type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>			
Social & Behavioral Science (SB)	3	<input type="checkbox"/>			
Academic Success Class OR First Year Seminar	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
WAC 101 Introduction to Academic Writing OR ENG 101 or 102 First-Year Composition OR ENG 105 Advanced First-Year Composition OR ENG 107 or 108 English for Foreign Students	3	<input type="checkbox"/>		Grade of C	3.0 in English courses beyond first-year composition courses required.
ENG 200 Critical Reading and Writing About Literature (L) OR ENG/ENH 200-level Course (HU)	3	<input type="checkbox"/>			
Second Language	4	<input type="checkbox"/>			
Natural Science Quantitative (SQ)	4	<input type="checkbox"/>			
Computer/Statistics/Quantitative Applications (CS)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
ENG 200 Critical Reading and Writing About Literature (L) OR ENG/ENH 200-level Course (HU)	3	<input type="checkbox"/>			3.0 in English courses beyond first-year composition courses required.
ENG/ENH Course	3	<input type="checkbox"/>			
Social & Behavioral Science (SB)	3	<input type="checkbox"/>			
Second Language (G if modern language)	4	<input type="checkbox"/>			
Natural Science Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
ENG/ENH Course (HU)	3	<input type="checkbox"/>			3.0 in English courses beyond first-year composition courses required.
ENG/ENH Course	3	<input type="checkbox"/>			
Upper-division ENG/ENH Course	3	<input checked="" type="checkbox"/>			
Second Language (4 th -semester CLAS Proficiency)	4	<input type="checkbox"/>		Grade of C	
Elective (that is an Historical Awareness [H] if H not already completed)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
Upper-division ENG/ENH Course (L & C)	3	<input checked="" type="checkbox"/>			3.0 in English courses beyond first-year composition courses required.
Upper-division ENG/ENH Course (HU)	3	<input checked="" type="checkbox"/>			
Upper-division ENG/ENH Course	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
Upper-division ENG/ENH Course	3	<input checked="" type="checkbox"/>			3.0 in English courses beyond first-year composition courses required.
Upper-division ENG/ENH Course (recommended: ENG 385 Career Development for English Majors)	3	<input checked="" type="checkbox"/>			
Upper-division Elective (that is a Global Awareness [G] if G not already completed)	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
Upper-division ENG/ENH Course	3	<input checked="" type="checkbox"/>			3.0 in English courses beyond first-year composition courses required.
Upper-division ENG/ENH Course OR ENG 484 Internship OR ENG 492 Honors Directed Study	3	<input checked="" type="checkbox"/>			
Upper-division Elective	3	<input checked="" type="checkbox"/>			
Upper-division Elective	3	<input checked="" type="checkbox"/>			
Elective (2 units—or two 1-unit Electives)	2	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
Upper-division ENG/ENH Course	3	<input checked="" type="checkbox"/>			3.0 in English courses beyond first-year composition courses required.
Upper-division ENG/ENH Course OR ENG 493 Honors Thesis	3	<input checked="" type="checkbox"/>			
Upper-division Elective	3	<input checked="" type="checkbox"/>			
Upper-division Elective	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total UD Hours (minimum 45)	Cumulative GPA (2.00 minimum)	Total Hrs at ASU (minimum 30)	Resident Credit for Academic Recognition (minimum 56)	Total Comm. College Hrs. (maximum 64)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

REQUIRED

ENG 200 Critical Reading and Writing About Literature (*L/HU*)

AREAS AND PERIODS

At least two courses must be at the 400 level. Students may, once only, use a course to satisfy two requirements. See advisor (or English major Blackboard) for each semester’s list of Areas/Periods courses.

- ENG/ENH ____ Literature and Culture before 1800
- ENG/ENH ____ Literature and Culture after 1800
- ENG/ENH ____ Literary Theory and Interdisciplinary Studies
- ENG/ENH ____ Transnational, Postcolonial, and Global Literatures

ELECTIVES

The 10 to 11 additional courses needed to complete the 45 hours are electives chosen from English offerings at the 200 level or above. Up to 2 non-ENG courses closely related to English may be used with prior advisor approval. Internships (ENG 484) and/or ENG 385 Career Development for English Majors are highly encouraged.

NOTES:

- At least 18 hours must be upper division (300 or 400 level), with at least 12 of these hours taken at ASU (any campus).
- One 300- or 400-level course must carry the General Studies “L.”
- Up to 4 Writing Certificate courses can be used in both the major and the certificate.
- PREPARING FOR GRADUATE SCHOOL: Take as many 400-level ENG courses as possible.
- All courses in the major must earn a grade of C (2.00) or higher.

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes
TERM ONE: 0 15 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Complete all critical courses by the end of semester 4 Consult an academic advisor for Learning Community, Academic Success Cluster and First Year Seminar options
MAT 142: College Mathematics or higher (MA)	3	<input type="checkbox"/>		Grade of C	
PGS 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3	<input type="checkbox"/>			
Natural Science-Quantitative or General (SQ/SG)	4	<input type="checkbox"/>			
Elective (recommend LIA 294: Special Topics) OR Learning Community, Campus Match, First Year Seminar options	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Consult an academic advisor for Learning Community, Campus Match and First Year Seminar options
CDE 232: Human Development (SB)	3	<input type="checkbox"/>		Grade of C	
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>			
Humanities/Fine Arts (HU)	3	<input type="checkbox"/>			
Elective or Learning Community	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
FAS 331: Marriage and Family Relationships (SB)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105
FAS/CDE Restricted Upper Division Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Computer/Statistics/Quantitative (CS):	3	<input type="checkbox"/>			
CDE 338: Child Development Practicum	3	<input checked="" type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
FAS 370: Family Ethnic & Cultural Diversity (SB, C)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete Mathematical Studies (MA)
FAS 361: Research Methods (L or SB)	3	<input checked="" type="checkbox"/>		Grade of C	
Humanities/Fine Arts (HU) with G awareness (recommend REL 100: Religions of the World)	3	<input type="checkbox"/>			
Historical Awareness Area (H)	3	<input type="checkbox"/>			
FAS/CDE Related Field	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
CDE 430: Infant/Toddler Development in the Family (SB)	3	<input checked="" type="checkbox"/>		Grade of C	
FAS 431: Parent-Adolescent Relationships (SB)	3	<input checked="" type="checkbox"/>		Grade of C	
Science and Society	3	<input type="checkbox"/>		Grade of C	
PGS or SOC Course	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
FAS/CDE Restricted Upper Division Elective	3	<input checked="" type="checkbox"/>		Grade of C	
FAS/CDE Restricted Upper Division Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Elective (LIA 394: Career Management - CLAS Majors)	3	<input checked="" type="checkbox"/>			
Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
FAS 435: Advanced Marriage and Family Relationships (L or SB)	3	<input checked="" type="checkbox"/>		Grade of C	
FAS/CDE 498: Pro-Seminar	3	<input checked="" type="checkbox"/>		Grade of C	
FAS/CDE Related Field	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
FAS 390: Supervised Research Experience OR FAS 484: Internship	3	<input checked="" type="checkbox"/>		Grade of C	
FAS/CDE Restricted Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Elective	2	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

There is room in this roadmap to add a concurrent degree, a minor or a certificate.

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes	
TERM ONE: 0 15 CREDIT HOURS						
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Complete Mathematical Studies (MA) by semester 4. Complete all critical courses by the end of semester 4 2.50 cumulative GPA recommended in critical courses Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options 	
MAT 142: College Mathematics (MA)	3	<input type="checkbox"/>		Grade of C		
FMS 100: Introduction to Film (HU)	3	<input type="checkbox"/>		Grade of C		
Second Language	4	<input type="checkbox"/>				
Social & Behavioral Science (SB)	3	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> 2.50 cumulative GPA recommended in critical courses 	
FMS 200: Film History (HU)	3	<input type="checkbox"/>		Grade of C		
Second Language (G if modern)	4	<input type="checkbox"/>				
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
<i>Complete one of the following courses:</i> FMS 110: Introduction to New Media (L or HU) OR FMS 270: Race and Gender in American Film (HU,C) OR THP 261: Introduction to Screenwriting	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> 2.50 cumulative GPA recommended in critical courses Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 Complete Mathematical Studies (MA) 	
FMP 201: Film: The Creative Process I (HU)	3	<input type="checkbox"/>				
Continue 2 nd Language if necessary, or Elective	4	<input type="checkbox"/>		Grade of C		
Social & Behavioral Science (SB) and Historical (H)	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM FOUR: 46 60 CREDIT HOURS						
<i>Complete remaining two courses not already taken:</i> FMS 110: Introduction to New Media (L, HU) OR FMS 270: Race and Gender in American Film (HU,C) OR THP 261: Introduction to Screenwriting	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> 2.50 cumulative GPA recommended in critical courses 	
	3	<input type="checkbox"/>		Grade of C		
FMP 250: Sex and Violence in Film and TV: Ethics Survey	3	<input type="checkbox"/>		Grade of C		
Continue 2 nd Language if necessary, or Elective	4	<input type="checkbox"/>		Grade of C		
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
Upper Division FMS Area of Emphasis	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete second language requirement 	
Upper Division Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Natural Science-Quantitative or General (SQ/SG)	4	<input type="checkbox"/>				
Upper Division FMS Area of Emphasis	3	<input checked="" type="checkbox"/>		Grade of C		
TERM SIX: 76 90 CREDIT HOURS						
Upper Division FMS Area of Emphasis (HU)	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division FMS Area of Emphasis	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division FMS Area of Emphasis	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Elective	3	<input checked="" type="checkbox"/>				
Upper Division Elective	3	<input checked="" type="checkbox"/>				
TERM SEVEN: 91 105 CREDIT HOURS						
FMS 490: Capstone Seminar (HU)	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division FMS Area of Emphasis	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Elective	3	<input checked="" type="checkbox"/>				
Upper Division Elective	3	<input checked="" type="checkbox"/>				
Elective (G, if not already covered)	3	<input type="checkbox"/>				
TERM EIGHT: 106 120 CREDIT HOURS						
Upper Division Literacy (L)	3	<input checked="" type="checkbox"/>				
Upper Division FMS Area of Emphasis	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Elective	3	<input checked="" type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

There is room in this roadmap to add a concurrent degree, a minor or a certificate.

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGECS: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
FRE 111: Fundamentals of French (or higher level FRE course depending on placement)	4			Grade of C	<ul style="list-style-type: none"> FRE 111: Fundamentals of French is equivalent to FRE 101: Elementary French and FRE 102: Elementary French An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Minimum 2.34 GPA required in all critical courses. Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options.
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
MAT 142: College Mathematics or higher (MA)	3	<input type="checkbox"/>		Grade of C	
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Elective – 1 st Year Seminar	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
FRE 201: Intermediate French I (or higher) (G)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses.
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
FRE 202: Intermediate French II (or higher)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses. Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 Completed Mathematical Studies (MA).
<i>Complete one course from:</i> SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy and Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C	
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>			
Awareness Area - Cultural (C)	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
FRE 205: Readings in French Literature (G)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses.
FRE 311: French Conversation	3	<input checked="" type="checkbox"/>		Grade of C	
FRE 312: French Composition	3	<input checked="" type="checkbox"/>		Grade of C	
<i>Complete remaining course from:</i> SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy and Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C	
Natural Science-Quantitative or General (SQ/SG)	4	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
FRE 321: French Literature (L or HU, H)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all FRE, SLC and French Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses
FRE 3** or 4**	3	<input checked="" type="checkbox"/>		Grade of C	
FRE Related Field Course	3	<input type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
FRE 322: French Literature (L or HU, H)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all FRE, SLC and French Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses
FRE 3** or 4**	3	<input checked="" type="checkbox"/>		Grade of C	
FRE Related Field	3	<input type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
FRE 4**(Select a course that also fulfills the Humanities/Fine Arts/Design (HU) requirement)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all FRE, SLC and French Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses
FRE 4**	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
FRE 4**(Select a course that also fulfills the Humanities/Fine Arts/Design (HU) requirement)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all FRE, SLC and French Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses
FRE 4**	3	<input checked="" type="checkbox"/>		Grade of C	
SLC 498: Pro- Seminar	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

Minimum grade of “C” in all FRE, SLC and French Related Fields courses

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes
TERM ONE: 0 15 CREDIT HOURS					
<i>Complete one course from:</i> GCU 102: Introduction to Human Geography - 3(SB, G) GCU 121: World Geography – 4 (SB, G) GPH 111: Introduction to Physical Geography – 4 (SQ)	3 or 4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult an academic advisor for Learning Community, Academic Success Cluster and First Year Seminar options
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>		Grade of C in 202	
Elective (recommend math prerequisite if needed)	3	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
<i>Complete one additional course from:</i> GCU 102: Introduction to Human Geography - 3(SB, G) GCU 121: World Geography – 4 (SB, G) GPH 111: Introduction to Physical Geography – 4 (SQ)	3 or 4	<input type="checkbox"/>		Grade of C	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
Second Language	4	<input type="checkbox"/>		Grade of C in 202	
<i>Complete one from:</i> Math prerequisite (if needed) or Awareness Area – Cultural Diversity in the US (C) Historical (H)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
<i>Complete one additional course from:</i> GCU 102: Introduction to Human Geography - 3(SB, G) GCU 121: World Geography – 4 (SB, G) GPH 111: Introduction to Physical Geography – 4 (SQ)	3 or 4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105
MAT 119: Finite Mathematics (MA)	3	<input type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>		Grade of C in 202	
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
Elective	2	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
GCU Regional Area (list in DARS)	3	<input checked="" type="checkbox"/>		Grade of C	
Natural Science - General (SG) or Quantitative (SQ)	4	<input type="checkbox"/>		Grade of C	
<i>Complete remaining course from:</i> Awareness Area – Cultural Diversity in the US (C) Historical (H)	3	<input type="checkbox"/>			
Second Language:	4	<input type="checkbox"/>		Grade of C in 202	
TERM FIVE: 61 75 CREDIT HOURS					
Upper Division GCU/GPH Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
GPH 491: Geographic Field Methods	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division GCU/GPH Elective	4	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
GCU 495: Quantitative Methods in Geography (CS)	3	<input checked="" type="checkbox"/>		Grade of C	
GPH 371: Introduction to Cartography and Georepresentation (CS)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division GCU/GPH Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Related Elective	3	<input type="checkbox"/>		Grade of C	

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes
TERM EIGHT: 106 120 CREDIT HOURS					
GCU 496: Geographic Research Methods (L)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division GCU/GPH Elective:	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Related Elective	3	<input type="checkbox"/>		Grade of C	

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

There is room in this roadmap to add a concurrent degree, a minor or a certificate.

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes	
TERM ONE: 0 15 CREDIT HOURS						
<i>Complete one course from:</i>						
GCU 102: Introduction to Human Geography - 3(SB, G) GCU 121: World Geography – 4 (SB, G) GPH 111: Introduction to Physical Geography – 4 (SQ)	3 or 4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult academic advisor for Learning Community, Academic Success Cluster and First Year Seminar options 	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>				
Awareness Area – Historical (H)	3	<input type="checkbox"/>				
Elective (recommend math prerequisite if needed)	3	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
<i>Complete one course from:</i>						
GCU 102: Introduction to Human Geography - 3(SB, G) GCU 121: World Geography – 4 (SB, G) GPH 111: Introduction to Physical Geography – 4 (SQ)	3 or 4	<input type="checkbox"/>		Grade of C		
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Natural Science – Quantitative or General (SQ/SG)	4	<input type="checkbox"/>				
MAT 117: College Algebra or General Elective	3	<input type="checkbox"/>				
General Elective	3	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
<i>Complete one course from:</i>						
GCU 102: Introduction to Human Geography - 3(SB, G) GCU 121: World Geography – 4 (SB, G) GPH 111: Introduction to Physical Geography – 4 (SQ)	3 or 4	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 	
MAT 119: Finite Mathematics (MA)	3	<input checked="" type="checkbox"/>		Grade of C		
Awareness Area – Cultural (C)	3	<input checked="" type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM FOUR: 46 60 CREDIT HOURS						
GPH 370: Geographic Information Technologies (CS)	4	<input checked="" type="checkbox"/>		Grade of C		
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
Upper Division GCU/GPH Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Elective	3	<input checked="" type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
GPH 371: Introduction to Cartography and Georepresentation (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
GPH 491: Geographic Field Methods	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
Elective	3	<input type="checkbox"/>				
Upper Division Elective	3	<input checked="" type="checkbox"/>				
TERM SEVEN: 91 105 CREDIT HOURS						
GCU 495: Quantitative Methods in Geography	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division GPH Technique (list in DARS)	3	<input checked="" type="checkbox"/>		Grade of C		
GCU 3** (SB)	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
Related Elective (list in DARS)	3	<input type="checkbox"/>		Grade of C		
TERM EIGHT: 106 120 CREDIT HOURS						
GCU 496: Geographic Research Methods (L)	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division GCU/GPH Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Elective	3	<input checked="" type="checkbox"/>				
Upper Division Elective	3	<input checked="" type="checkbox"/>				
Related Elective (list in DARS)	3	<input type="checkbox"/>		Grade of C		

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
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Additional Notes:

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Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes	
TERM ONE: 0 15 CREDIT HOURS						
GPH 111: Introduction to Physical Geography (SQ)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult an academic advisor for Learning Community, Academic Success Cluster and First Year Seminar options 	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>				
MAT 170: Precalculus (if necessary) or elective	3	<input type="checkbox"/>		Grade of C in MAT 170		
Awareness Area (H)	3	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
MAT 270: Calculus with Analytic Geometry I (MA)	4	<input type="checkbox"/>		Grade of C		
Awareness Area (C)	3	<input type="checkbox"/>				
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
GPH 212: Introduction to Meteorology (SQ)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 	
MAT 271: Calculus with Analytic Geometry II (MA)	4	<input type="checkbox"/>		Grade of C		
PHY 121/122: University Physics I/Laboratory (SQ)	4	<input type="checkbox"/>		Grade of C		
General Elective	3	<input type="checkbox"/>				
General Elective	2	<input type="checkbox"/>				
TERM FOUR: 46 60 CREDIT HOURS						
GPH 213/215: Introduction to Climatology/Laboratory (SG)	4	<input type="checkbox"/>		Grade of C		
MAT 272: Calculus with Analytic Geometry III (MA)	4	<input type="checkbox"/>		Grade of C		
PHY 131/132: University Physics II/Laboratory (SQ)	4	<input type="checkbox"/>		Grade of C		
Upper Division General Elective	3	<input checked="" type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
GCU 102: Introduction to Human Geography (SB, G)	3	<input type="checkbox"/>		Grade of C		
GPH 409: Synoptic Meteorology I	4	<input checked="" type="checkbox"/>		Grade of C		
MAT 274: Elementary Differential Equations (MA)	3	<input type="checkbox"/>				
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
GPH 370: Geographic Information Technologies (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
GPH 410: Synoptic Meteorology II	4	<input checked="" type="checkbox"/>		Grade of C		
GPH 491: Geographic Field Methods	3	<input checked="" type="checkbox"/>		Grade of C		
GCU 121: World Geography (SB, G)	4	<input type="checkbox"/>		Grade of C		
Upper Division Science and Society	3	<input type="checkbox"/>		Grade of C		
TERM SEVEN: 91 105 CREDIT HOURS						
GPH 371: Introduction to Cartography & Georepresentation (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
GCU 474: Public Land Policy (SB)	3	<input checked="" type="checkbox"/>		Grade of C		
GCU 495: Quantitative Methods in Geography (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
GPH 412: Physical Climatology GPH 413: Meteorological Instruments and Measurement GPH 414: Climate Change (G)	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division General Elective	3	<input checked="" type="checkbox"/>				
TERM EIGHT: 106 120 CREDIT HOURS						
GPH 475: Dynamic Meteorology II	3	<input checked="" type="checkbox"/>		Grade of C		
GCU 496 (L): Geographic Research Methods (L)	3	<input checked="" type="checkbox"/>		Grade of C		
GCU 3** or 4** Elective (SB)	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division General Elective	3	<input checked="" type="checkbox"/>				
Upper Division Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		

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General University Requirements: Legend

- General Studies Core Requirements:
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Additional Notes:

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Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes	
TERM ONE: 0 15 CREDIT HOURS						
<i>Complete one course from:</i>						
GCU 102: Introduction to Human Geography - 3(SB, G) GCU 121: World Geography – 4 (SB, G) GPH 111: Introduction to Physical Geography – 4 (SQ)	3 or 4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options 	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>				
Elective (recommend math prerequisite if needed)	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
<i>Complete one course from:</i>						
GCU 102: Introduction to Human Geography - 3(SB, G) GCU 121: World Geography – 4 (SB, G) GPH 111: Introduction to Physical Geography – 4 (SQ)	3 or 4	<input type="checkbox"/>		Grade of C		
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Natural Science-Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>				
MAT 117: College Algebra or General Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
<i>Complete one course from:</i>						
GCU 102: Introduction to Human Geography - 3(SB, G) GCU 121: World Geography – 4 (SB, G) GPH 111: Introduction to Physical Geography – 4 (SQ)	3 or 4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 	
MAT 119: Finite Mathematics (MA)	3	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts, and Design (HU) & Awareness Area (C)	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM FOUR: 46 60 CREDIT HOURS						
GCU 361: Urban Geography (SB)	3	<input checked="" type="checkbox"/>		Grade of C		
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
Upper Division Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
Elective	3	<input type="checkbox"/>				
Upper Division Elective	3	<input checked="" type="checkbox"/>				
Upper Division Elective	3	<input checked="" type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
GPH 370: Geographic Information Technologies (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
GPH 491: Geographic Field Methods	3	<input checked="" type="checkbox"/>		Grade of C		
GCU 359: Cities of the World I (SB, G, H) GCU 360: Cities of the World II (SB, G) GCU 444: Geographic Studies in Urban Transportation (SB) GCU 494: Special Topics	3	<input checked="" type="checkbox"/>		Grade of C		
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM SEVEN: 91 105 CREDIT HOURS						
GCU 373: Introduction to Geographic Information Science (SB)	3	<input checked="" type="checkbox"/>		Grade of C		
GCU 495: Quantitative Methods in Geography (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
GPH 371: Introduction to Cartography & Georepresentation (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
GCU 351: Population Geography (SB, G) GCU 357: Social Geography (SB) GCU 364: Energy in the Global Arena (SB, G) GCU 441: Economic Geography (SB) GCU 442: Geographical Analysis of Transportation (SB)	3	<input checked="" type="checkbox"/>		Grade of C		
Elective	4	<input type="checkbox"/>		Grade of C		

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes
TERM EIGHT: 106 120 CREDIT HOURS					
GCU 496: Geographic Research Methods (L)	3	<input checked="" type="checkbox"/>		Grade of C	
GCU/GPH 484 or Related Area	3	<input checked="" type="checkbox"/>		Grade of C or Y	
Upper Division Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
GCU 359: Cities of the World I (SB, G, H)	3	<input checked="" type="checkbox"/>		Grade of C	
GCU 360: Cities of the World II (SB, G)					
GCU 444: Geographic Studies in Urban Transportation (SB)					
GCU 494: Special Topics					
Related Elective	3	<input type="checkbox"/>		Grade of C	

Graduation Requirements Summary:

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- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
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 - Humanities, Fine Arts, and Design (HU)
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 - Natural Science-Quantitative (SQ)
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Additional Notes:

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Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
CHM 113: General Chemistry I (SQ)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult academic advisor for Learning Community, Academic Success Cluster and First Year Seminar options
GLG 101/103: Introduction to Geology I/Laboratory (G)	3/1	<input type="checkbox"/>		Grade of C	
ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	
MAT 170 or Social & Behavioral Science (SB)	3	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
CHM 116: General Chemistry II (SQ)	4	<input type="checkbox"/>		Grade of C	
MAT 270: Calculus with Analytic Geometry I (MA)	4	<input type="checkbox"/>		Grade of C	
GLG 102/104: Introduction to Geology II/Laboratory (SG, H)	3/1	<input type="checkbox"/>		Grade of C	
ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	
TERM THREE: 31 45 CREDIT HOURS					
GLG 310: Structural Geology	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First Year Composition should be completed by the end of semester 3
MAT 271: Calculus with Analytic Geometry II	4	<input type="checkbox"/>		Grade of C	
CLS Science and Society	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C)	3	<input type="checkbox"/>			
Social & Behavioral Sciences (SB) or general elective if SB completed	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
PHY 121/122: University Physics I/Laboratory	3/1	<input type="checkbox"/>		Grade of C	
GLG 321: Mineralogy	3	<input checked="" type="checkbox"/>		Grade of C	
MAT 272: Calculus with Analytic Geometry III	4	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
GLG 400: Colloquium	1	<input checked="" type="checkbox"/>		Grade of C	
GLG 424: Petrology	3	<input checked="" type="checkbox"/>		Grade of C	
PHY 131/132: University Physics II/Laboratory	3/1	<input type="checkbox"/>			
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
General Elective	2	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
GLG 435: Sedimentology	3	<input checked="" type="checkbox"/>		Grade of C	
GLG 451: Field Geology I (L)	3	<input checked="" type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
Social & Behavioral Science (SB)	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
SUMMER 3 CREDIT HOURS					
GLG 452: Field Geology II (L)	3	<input checked="" type="checkbox"/>		Grade of C	
TERM SEVEN: 91 105 CREDIT HOURS					
GLG Branch Course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division GLG Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
Upper division Humanities, Fine Arts & Design (HU) or Social Behavioral Science (SB)	3	<input checked="" type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
GLG Branch Course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division GLG Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division General Elective	3	<input checked="" type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

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Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
GER 111: Fundamentals of German (or higher level GER course depending on placement)	4			Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses. Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options. GER 111: Fundamentals of German is equivalent to GER 101: Elementary German and GER 102: Elementary German
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
MAT 142: College Mathematics or higher (MA)	3	<input type="checkbox"/>		Grade of C	
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Elective – 1 st Year Seminar	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
GER 201: Intermediate German (or higher)	4			Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses.
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3			Grade of C	
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Awareness Area – Historical (H)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
GER 202: Intermediate German (or higher) (G)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses. Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 Complete Mathematical Studies (MA)
<i>Complete one course from:</i> SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy and Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C	
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>			
Awareness Area - Cultural (C)	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
GER 311: German Conversation OR GER 312: German Conversation (G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses.
GER 313: German Composition (G)	3	<input checked="" type="checkbox"/>		Grade of C	
<i>Complete remaining course from:</i> SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy and Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C	
Natural Science-Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
GER 411: Advanced Grammar and Conversation (G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all GER, SLC and German Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses
GER 422: German Literature (L or HU)	3	<input checked="" type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
GER 412: Advanced Grammar and Conversation (G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all GER, SLC and German Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses
GER 421: German Literature (HU)	3	<input checked="" type="checkbox"/>		Grade of C	
GER Related Field	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
GER 4**	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all GER, SLC and German Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses
GER Related Field	3	<input type="checkbox"/>		Grade of C	
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Humanities, Fine Arts, and Design (HU) or Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
GER 4**	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all GER, SLC and German Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses
SLC 498: Pro- Seminar	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

Minimum grade of “C” in all GER, SLC and German Related Fields courses

Course Subject and Title (courses in bold/shading are critical)	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes
TERM ONE: 0 15 CREDIT HOURS					
ASB 102: Intro to Cultural and Social Anthropology (SB, G)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options.
MAT 142: College Mathematics (MA)	3	<input type="checkbox"/>		Grade of C	
ENG 101/107: First-Year Composition/English for Foreign Students ENG 102/108: First-Year Composition/ English for Foreign Students ENG 105: Advanced First-Year Composition WAC 101: Intro to Academic Writing	3	<input type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>			
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
SSH 100: Introduction to Global Health (SB, G)	3/4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Math completed
ENG 101/107: First-Year Composition/English for Foreign Students ENG 102/108: First-Year Composition/ English for Foreign Students ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Continue 2 nd Language	4	<input type="checkbox"/>			
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C) or Historical Awareness (H)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
Time Depth or Health and Human Biology Course	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Completed First Year Composition Requirement
Natural Sciences – Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>		Grade of C	
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
Continue 2 nd Language if necessary, or Elective	4	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
Culture Society and Health Course	3/4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Second language completed
Natural Sciences – Quantitative or General (SG/SQ)	4	<input type="checkbox"/>		Grade of C	
Continue 2 nd Language if necessary, or Elective	4	<input type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
Poverty, Social Justice and Global Health Course	3	<input checked="" type="checkbox"/>		Grade of C	
Global Health Elective Course	3	<input type="checkbox"/>		Grade of C	
Literacy & Critical Inquiry (L)	3	<input type="checkbox"/>			
Upper Division Humanities, Fine Arts & Design (H) or Social & Behavioral Science (SB) AND Cultural Diversity in the US (C) or Historical Awareness (H)	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
Global Health Elective Course	3/4	<input checked="" type="checkbox"/>		Grade of C	
Global Health Elective Course	3	<input checked="" type="checkbox"/>		Grade of C	
Global Health Elective Course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Literacy & Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Upper division Elective	3	<input checked="" type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
Summer Study Abroad Global Health Practicum	3-9	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Practicum to be completed in summer study abroad after term 4
Global Health Elective Course	3	<input checked="" type="checkbox"/>		Grade of C	
Global Health Elective Course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
SSH 405: Capstone Seminar for Global Health	3	<input checked="" type="checkbox"/>			
Global Health Elective Course	3	<input checked="" type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Recommended 2.5 cumulative ASU GPA Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options.
MAT 142: College Mathematics (MA)	3	<input type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>			
Natural Science – Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
Elective	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Recommended 2.5 cumulative GPA
<i>Complete one course from:</i> SGS 101: Thinking Globally: The Individual & Authority (SB) or SGS 103: Contemporary Global Trends (SB,G)	3	<input type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>			
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
<i>Complete remaining course from:</i> SGS 101: Thinking Globally: The Individual & Authority (SB) or SGS 103: Contemporary Global Trends (SB,G)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Completed First Year Composition Math completed Recommended 2.5 cumulative GPA
SGS 394: Special Topics: Track Introduction 1	3	<input checked="" type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>			
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
SGS 394: Special Topics: Track Introduction 2	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Declare track (meet with an advisor) Recommended 2.5 cumulative GPA
SGS 394: Special Topics: Professional Global Career Development	3	<input checked="" type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>			
Literacy & Critical Inquiry	3	<input type="checkbox"/>			
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
SGS 305: Research Methods (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Recommended 2.5 cumulative GPA
SGS 394: Special Topics: Track Introduction 3	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division track elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>			
Historical Awareness (H) if needed, or Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
<i>Complete one course from:</i> SOC 390: Social Statistics I (CS) OR POS 401: Political Statistics (CS)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Recommended 2.5 cumulative GPA
Upper Division track elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division track elective	3	<input checked="" type="checkbox"/>		Grade of C	
Awareness Area – Cultural (C) (if needed) or Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
SGS 494: Capstone	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Recommended 2.5 cumulative GPA
Upper Division track course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Elective	2	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
SGS 484: Internship	6	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Recommended 2.5 cumulative GPA
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGECE: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes	
TERM ONE: 0 15 CREDIT HOURS						
HST *** (SB)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.25 GPA in Critical Courses The History major requires students to take HST electives within one geographical concentration. Visit the History Undergraduate Advising Office for geographical concentrations and for a list of Related Fields courses. Consult an academic advisor for Learning Community, Academic Success Clusters, and First Year Seminar options 	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
MAT 142: College Mathematics (MA) or higher	3	<input type="checkbox"/>		Grade of C		
Second Language	4	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts, and Design (HU) or Elective	3	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
HST *** (SB, H)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.25 GPA in Critical Courses 	
ENG 101/107: First-Year Composition/English for Foreign Students ENG 102/108: First-Year Composition/ English for Foreign Students ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Second Language	4	<input type="checkbox"/>		Grade of C		
Natural Science – Quantitative or General (SQ/SG)	4	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
HST ***	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.25 GPA in Critical Courses Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 	
Computer/Statistics/Quantitative (CS)	3	<input type="checkbox"/>				
Second Language or Elective	4	<input type="checkbox"/>		Grade of C (if language)		
Awareness Area – Global or Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	2	<input type="checkbox"/>				
TERM FOUR: 46 60 CREDIT HOURS						
HST ***	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.25 GPA in Critical Courses Complete Mathematical Studies (MA) requirement 	
Natural Science – Quantitative (SQ)	4	<input type="checkbox"/>				
Second Language or Elective	4	<input type="checkbox"/>		Grade of C (if language)		
Awareness Area – Cultural Diversity (C) or Elective	3	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
HST 300: Historical Inquiry (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.25 GPA in Critical Courses 	
HST 3**/4**	3	<input type="checkbox"/>		Grade of C		
Related Field	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Related Field	3	<input checked="" type="checkbox"/>				
Upper Division Elective	3	<input type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
<i>Complete one course from:</i> HST 302: Studies in History HST 303: Studies in Asian History HST 304: Studies in European History HST 305: Studies in Latin American History HST 306: Studies in United States History HST 307: Studies in African History	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Students may choose any course between HST 302-307 	
HST 3**/4**	3	<input checked="" type="checkbox"/>		Grade of C		
Related Field	3	<input type="checkbox"/>		Grade of C		
Upper Division Elective	3	<input checked="" type="checkbox"/>				
Upper Division Elective	3	<input checked="" type="checkbox"/>				
TERM SEVEN: 91 105 CREDIT HOURS						
HST 498: Pro-Seminar (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Students in the Barrett Honors College may take HST 493: Honors Thesis in place of HST 498: Pro-Seminar 	
HST 3**/4**	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Related Field	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Related Field	3	<input checked="" type="checkbox"/>		Grade of C		
Humanities, Fine Arts, and Design (HU) or Elective	3	<input type="checkbox"/>				
TERM EIGHT: 106 120 CREDIT HOURS						
HST 3**/4**	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Related Field	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Elective	3	<input checked="" type="checkbox"/>				
Upper Division Elective	3	<input checked="" type="checkbox"/>				
Elective	3	<input type="checkbox"/>				

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

TEMPE CAMPUS

College of Design

- [Architectural Studies](#)
- [Design Studies](#)
- [Interior Design History](#)
- [Landscape Studies](#)
- [Urban Planning](#)

W. P. Carey School of Business

- [Business](#)
- [International Business Studies*](#)

Mary Lou Fulton College of Education

- [Education](#)

Ira A. Fulton School of Engineering

- [Computer Gaming*](#)
- [Informatics*](#)

Katherine K. Herberger College of the Arts

- [Art History](#)
- [Dance](#)
- [Music](#)
- [Theatre](#)
- [Film and Media Production](#)

College of Liberal Arts and Sciences

- [African & African American Studies*](#)
- [American Indian Studies*](#)
- [Anthropology](#)
- [Arabic Studies*](#)
- [Asian Pacific American Studies*](#)
- [Asian Studies*](#)
- [Astronomy](#)
- [Biochemistry](#)
- [Biological Sciences](#)
- [Chemistry](#)
- [Chinese](#)
- [Classical Studies–Greek*](#)
- [Classical Studies–Latin*](#)
- [Communication](#)
- [Computational Mathematical Sciences](#)
- [East Asian Studies*](#)
- [Economics](#)
- [English: Creative Writing](#)
- [English: Linguistics](#)
- [English: Literature](#)
- [English: Writing Certificate*](#)
- [Ethics*](#)
- [Family and Human Development](#)
- [Film & Media Studies](#)
- [French](#)
- [Geography](#)
- [Geography: Geographic Information Sciences*](#)
- [Geography: Geography for Business](#)

- [Geography: Environmental Geography](#)
- [Geography: Inter'l Geography](#)
- [Geological Sciences](#)
- [German](#)
- [Global Studies](#)
- [History](#)
- [Islamic Studies*](#)
- [Italian](#)
- [Japanese](#)
- [Jewish Studies*](#)
- [Justice Studies](#)
- [Kinesiology](#)
- [Latin American Studies*](#)
- [Mathematics](#)
- [Medieval & Renaissance Studies*](#)
- [Philosophy](#)
- [Philosophy: History & Philosophy of Science*](#)
- [Philosophy: Symbolic Systems*](#)
- [Physics](#)
- [Political Science](#)
- [Political Science: Civic Education](#)
- [Political Science: Inter'l Studies*](#)
- [Psychology](#)
- [Religious Studies](#)
- [Romanian](#)
- [Russian](#)
- [Russian and East European Studies*](#)
- [Sociology](#)
- [Southeast Asian Studies*](#)
- [Spanish](#)
- [Speech & Hearing Science](#)
- [Statistics](#)
- [Transborder Chicana/o and Latina/o Studies](#)
- [Translation \(Spanish/English\)*](#)
- [Women & Gender Studies*](#)

DOWNTOWN CAMPUS

College of Nursing & Healthcare Innovation

- [Healthcare Innovation](#)

College of Public Programs

- [Creative City](#)
- [Leadership & Ethics*](#)
- [Lesbian, Gay, Bisexual & Transgender Studies*](#)
- [Nonprofit Administration*](#)
- [Parks & Protected Area Management](#)
- [Public Administration & Public Management*](#)
- [Recreation Management](#)
- [Social Welfare](#)
- [Tourism Development & Management](#)
- [Urban & Metropolitan Studies](#)

POLYTECHNIC CAMPUS

College of Technology and Innovation

- [Hazardous Materials & Waste Management*](#)

Morrison School of Management & Agribusiness

- [Small Business](#)

School of Applied Arts and Sciences

- [Applied Biological Sciences](#)
- [Applied Psychology](#)
- [Food & Nutrition Management](#)
- [History and Culture](#)
- [Human Nutrition](#)
- [Literature, Writing and Film](#)
- [Multi-Media Writing & Technical Communication*](#)
- [Spa Management*](#)
- [Wellness Foundations](#)

WEST CAMPUS

College of Human Services

- [Aging and Lifespan Development](#)
(previously named Gerontology)
- [Communication Studies](#)
- [Public Relations and Strategic Communications](#)
- [Recreation Management](#)
- [Special Events Management](#)
- [Tourism Management](#)
- [Youth Services Leadership](#)

New College of Interdisciplinary Arts & Sciences

- [American Studies](#)
- [English](#)
- [Ethnic Studies](#)
- [Film & Video Studies: Film Studies*](#)
- [Film & Video Studies: Media & Video Studies*](#)
- [History](#)
- [Interdisciplinary Arts & Performance](#)
- [Life Sciences](#)
- [Mathematics](#)
- [Philosophy](#)
- [Political Science](#)
- [Psychology](#)
- [Religious Studies](#)
- [Social & Behavioral Sciences](#)
- [Sociocultural Anthropology](#)
- [Sociology](#)
- [Spanish](#)
- [Women's Studies](#)

Those marked with an asterisk (*) are also offered as certificates. Some combinations are not permissible; see an advisor for additional information.

WRITING CERTIFICATE
College of Liberal Arts & Sciences
2008-2009
Language and Literature, Room 549C, Ph: 480.965.3535

I. Core - 9 hours

- ENG 301 Writing for the Professions L (3)
- ENG 372 Document Production L (3)
- ENG 472 Rhetorical Studies L (3)

II. Internship/ Portfolio - 4 hours

- ENG 484 Internship: Writing Certificate (3)
- ENG 498 Pro-Seminar: Writing Certificate Portfolio (1)

III. Writing - 3 hours (choose one)

- ENG 216 Persuasive Writing on Public Issues L (3)
- or
- ENG 412 Creative Nonfiction (3)

IV. Writing/Design - 3 hours

- ART 456 Fine Printing and Bookmaking I
- ART 457 Fine Printing and Bookmaking II
- ART 458 Papermaking
- BUS 301-M - Fundamental Mgt/Comm
- GIT 135 - Graphic Communications
- ENG 212 - English Prose Style
- ENG 215 - Strategies of Academic Writing
- ENG 217 - Writing Reflective Essays
- ENG 218 - Writing about Literature
- ENG 374 - Technical Editing
- ENG 494 - Magazine Writing
- ENG 494 - Review Writing
- ENG 494 - Writing for Non-Profit Organizations

What you'll see on your DARS:

NOTE: Student must apply for admission to program.
See English advisor for details.

NOTE: Minimum cumulative GPA of 3.0 (B) in Writing
courses required.

NOTE: Grade of C (2.00) or better required in all courses.
Minimum 12 upper division hours required.

--> NEEDS: 19.00 HOURS 5 SUB-GROUPS 3.00 GPA

- 1) CORE - 9 hours
 NEEDS: 9.00 HOURS
 COURSE LIST: ENG 301 ENG 372 ENG 472

- 2) INTERNSHIP/PORTFOLIO - 4 hours
 See English advisor for course information
 NEEDS: 4.00 HOURS
 COURSE LIST: ENG-CEMPHX ENG-CEMPH2

- 3) WRITING - 3 hours
 NEEDS: 3.00 HOURS
 COURSE LIST: ENG 216 ENG 412

- 4) WRITING/DESIGN - 3 hours
 NEEDS: 3.00 HOURS
 COURSE LIST: ART 456 ART 457 ART 458 BUS 301
 BUS 431 BUS 451 GIT 135 GIT 351 GIT 352 GIT 438
 COM 263 COM 316 COM 319 COM 320 COM 321 COM 371
 COM 421 COM 422 COM 426 COM 472 EDT 405 EDT 406
 ENG 310 ENG 411 ENG 494 [*WRIT* BEING*] GIT 233
 GRA 345 JMC 414 JMC 415 JMC 440 JUS 404 MCO 418
 MCO 430 MCO 450 MCO 456 PHI 350 TWC 200 TWC 400
 WAC 294 [*PEER* TUTOR*] ENG 216 ENG 412 ENG 212
 ENG 215 ENG 217 ENG 218 ENG 374 OR
 ENG 394 [*TECH* EDIT*] ENG 385
 ENG 394 [*WRIT* CYBER*] ENG 394 [*WORK* WRIT*]
 ENG 494 [*WRIT* NON*]

- 5) ADMISSION CHECK
 Student must apply for admission to program
 NEEDS: 1 COURSE
 COURSE LIST: ENG-CEMPH5

WOMENS STUDIES
New College of Interdisciplinary Arts & Sciences
2007-2008
West Campus
Ph: (602) 543-4444

The Women's Studies concentration consists of 18 semester hours. Required courses consist of WST 100 or WST 300, WST 350, WST 457, WST 498, and one course each in two of the following three areas: global, representation, culture studies.

- Please contact (602) 543-4444 for more information

WOMEN AND GENDER STUDIES
College of Liberal Arts and Sciences
2008-2009
West Hall 205, Ph: 480.965.2358

Description:

Women and Gender Studies provides students with an intensive interdisciplinary liberal arts education that enables them to write well, think critically, and analyze problems effectively. Students take a variety of courses, including a capstone seminar requiring original research and writing, and an internship that helps them prepare for life after college. Original undergraduate research is encouraged, and some courses involve students in studying community problems and formulating policy solutions.

Program Requirements:

The Women and Gender Studies concentration consists of 18 semester hours, 12 of which must be in the upper division.

All courses must have grade of "C" or higher. At least 12 of the 18 credit hours must be upper division courses (300 or higher). No more than 3 courses can come from any one prefix (excluding WST/WSH).

The following courses are required:

- WST 100 Women and Society SB, C (3)
- or WST 300 Women in Contemporary Society SB, C (3)
- WST 377 History of American Feminist Thought C (3)
- or WST 378 Global Feminist Theory L, C (3)
- or WST 380 - Gender, Race and Class L or SB, C (3)

Total 6

Twelve additional hours of approved women and gender studies courses must be taken after consultation with the Women and Gender Studies advisor.

I. Core - 6 Hours

- WST 100 - Women and Society
- OR
- WST 300 - Women in Contemporary Society
- WST 377 - History of American Feminist Thought
- OR
- WST 378 - Global Feminist Theory
- OR
- WST 380 - Gender, Race and Class

II. Electives - 12 Hours

- WSH 2 - Any WSH 200-level course
- WSH 3 - Any WSH 300-level course
- WSH 4 - Any WSH 400-level course
- WST 2 - Any WST 200-level course
- WST 3 - Any WST 300-level course
- WST 4 - Any WST 400-level course
- ARS 485 - Women in the Visual Arts

- ASB 211 - Women in Other Cultures
- COM 316 - Gender and Communication
- CSS 432 - Issues in Chicana and Chicano Gender
- ENG 461 - Studies in Women and Literature
- ENG 364 - Women and Literature
- OR
- ENG 462 - Africana Literature
- HST 327 - Women in U.S. History, 1600-1880
- HST 328 - Women in U.S. History, 1880-1980
- HST 365 - Women in Europe
- HST 377 - Women in Colonial Latin America
- HST 378 - Latin American Women: The National Period
- HST 415 - Unequal Sisters: Women and Political and Cultural Change
- JUS 329 - Domestic Violence
- JUS 415 - Gender and International Development
- JUS 420 - Women, Work, and Justice
- JUS 422 - Women, Law, and Social Control
- JUS 460 - Feminism and Justice
- POS 435 - Women and Politics
- REL 373 - Women in Judaism
- REL 390 - Women and Religion
- SOC 315 - Courtship and Marriage
- SOC 417 - Family Violence
- SOC 424 - Women and Health
- SOC 464 - Sociology of Women

What you'll see on your DARS:

 NOTE: Grade of C (2.00) or better required.
 Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS

- 1) CORE - 6 hours
 NEEDS: 6.00 HOURS
 COURSE LIST: WST 100 OR WST 300 WST 377 OR WST 378 OR WST 380
- 2) ELECTIVES - 12 hours
 NOTE: A maximum of three courses may be taken under
 any one prefix - excluding WST/WSH prefixes.
 NEEDS: 12.00 HOURS
 COURSE LIST: WSH 2 WSH 3 WSH 4 WST 2 WST 3 WST 4
 ARS 485 ASB 211 COM 316 CSS 432 ENG 461 ENG 364
 OR ENG 462 HST 327 HST 328 HST 365 HST 377
 HST 378 HST 415 JUS 329 JUS 415 JUS 420 JUS 422
 JUS 460 POS 435 REL 373 REL 390 SOC 315 SOC 417
 SOC 424 SOC 464

URBAN PLANNING
College of Design
2008-2009
CDS, Ph: 480.965.7167

Description:

The BIS degree can prepare students for careers in urban planning. Students can select courses that include comprehensive planning, socioeconomic and environmental analysis, computer and analytical methods, planning law, site planning, urban design, and public-policy formulation and administration. Many students continue to specialize in planning at the graduate level. Students in planning are exposed to the theories, methods, and practices of the profession.

A minimum of 18 semester hours are required for the minor, 12 semester hours must be from 300- or 400- level courses.

I. Introduction - Needs 3 Hours

- PUP 301 - Introduction to Urban Planning

II. Electives - Needs 15 Hours

- PUP 100 - Introduction to Environmental Design
- PUP 190 - Sustainable Cities
- PUP 200 - The Planned Environment
- PUP 363 - History of Planning
- PUP 420 - Theory of Urban Design
- PUP 425 - Urban Housing Analysis
- PUP 430 - Transportation Planning and the Environment
- PUP 432 - Planning and Development Control Law
- PUP 433 - Zoning Ordinances, Subdivision Regulations, and Building Codes
- PUP 434 - Urban Land Economics
- PUP 442 - Environmental Planning
- PUP 444 - Preservation Planning
- PUP 445 - Women and Environments
- PUP 452 - Ethics and Theory in Planning
- PUP 475 - Environmental Impact Assessment
- PUP 485 - International Field Studies in Planning

Minimum 2.50 GPA required.

What you'll see on your DARS:

Minimum 2.50 GPA required.
Grade of "C" (2.00) or better required.
Minimum 12 hours upper division required.

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS 2.50 GPA

- 1) INTRODUCTION - 3 hours
 NEEDS: 3.00 HOURS
 COURSE LIST: PUP 301

- 2) PUP ELECTIVES - 15 hours
 NEEDS: 15.00 HOURS
 COURSE LIST: PUP 100 PUP 190 PUP 200 PUP 363
 PUP 420 PUP 425 PUP 430 PUP 432 PUP 433 PUP 434
 PUP 442 PUP 444 PUP 445 PUP 452 PUP 475 PUP 485

URBAN AND METROPOLITAN STUDIES
College of Public Programs
2007-2008
University Center, Room 400, Ph: 602.496.0468

Description:

The concentration in Urban & Metropolitan Studies offers students interested in the urban environment the opportunity to explore the wide variety of issues that influence the quality of life in urban communities. Students are encouraged to learn about cities as historical, social, cultural, economic, and political phenomena in order to gain a strong understanding of the complex relationships that contribute to the problems and opportunities of urban living. As the population in the state's urban areas continues to grow, so will the demand for leaders who are skilled in new and innovative ways with which to address the challenges such growth generates.

Requirements:

Eighteen (18) hours of coursework with a "C" or better in each course. Students take 12 hours of core courses and 6 hours of elective courses. The 6 hours of elective courses may be selected from a list of related topic courses, or taken upon the recommendation of the Concentration Advisor.

I. Require Courses:

- URB 100 - Introduction to Urban & Metropolitan Studies

-or-

- URB 300 - Urban & Metropolitan Studies
- URB 105 - Introduction to Urban Governance

-or-

- URB 305 - Urban Governance

II. Core Courses:

- URB 220 - Introduction to Urban America
- URB 240 - Urban Policy
- URB 301 - Urban Research
- URB 302 - Urban Theory
- URB 410 - Urban Leadership and Collaborative Skills

III. Electives:

-6 Hours picked with an advisor

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.0 HOURS 3 SUB-GROUPS

- 1) INTRODUCTORY CORE - 6 hours
 NEEDS: 6.0 HOURS
 COURSE LIST: URB 100 OR URB 300 URB 105 OR URB 305

- 2) CORE - 6 hours
 NEEDS: 6.0 HOURS
 COURSE LIST: URB 220 URB 240 URB 301 URB 302
 URB 410

- 3) ELECTIVES - 6 hours
 See Urban and Metropolitan Studies advisor for
 additional course choices.
 NEEDS: 6.0 HOURS
 COURSE LIST: AFS 366 GCU 361 HIS 444 HST 319
 HST 320 HUD 201 HUD 402 PAF 300 PAF 340 PAF 420
 PAS 460 PLA 101 PLA 410 PLA 420 POL 453 POS 110
 POS 220 POS 310 POS 316 POS 320 POS 325 POS 426
 PUP 100 PUP 190 PUP 200 PUP 301 PUP 425 PUP 430
 PUP 436 PUP 442 PUP 445 PUP 475 SBS 460 SBS 461
 SOC 332 SOC 333 SOC 332 TWC 200 WST 300

TRANSLATION (SPANISH/ENGLISH)
College of Liberal Arts and Sciences
2008-2009
LL 440, Ph: 480.965.0135

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

Please note:

- A minimum of 6 upper-division hours in the certificate or BIS emphasis area must be taken in residence at ASU Tempe Campus.
- A grade of C or better must be achieved in all courses for the certificate and BIS emphasis area.
- Pass/Fail courses cannot be used for the certificate or BIS emphasis area.
- You may not receive the certificate or BIS emphasis area in a catalog year for which you are not eligible. If you are unsure of your catalog year, check with your academic advisor.
- The Spanish/English Translation Certificate may be pursued only at the undergraduate level, by degree or non-degree seeking students.
- Admission to the certificate program is required to register for certificate courses.
- SPA 412 and/or ENG 301 can be waived if the student can present proof of having taken an equivalent course at another institution or having had substantial formal education in Spanish and/or English.

I. Core - 9 Hours

SPA 400 - Introduction to Spanish Linguistics
OR

SLC 400 - Linguistics
OR

SLC 201 - Introduction to Linguistics
SPA 412 - Advanced Conversation and Composition
SLC 401 - Translation Theory

II. Translation - 9 Hours

SLC 481 - Technical and Scientific Translation
SLC 482 - Business and Financial Translation
SLC 483 - Medical and Legal Translation
SLC 485 -

III. 3. Internship - 2 Hours

SLC 484 - Internship

What you'll see on your DARS:

--> NEEDS: 20.00 HOURS

- 1) CORE - 9 hours
NEEDS: 9.00 HOURS
COURSE LIST: SPA 400 OR SLC 400 OR SLC 201 SPA 412
SLC 401

- 2) TRANSLATION - 9 hours
NEEDS: 9.00 HOURS
COURSE LIST: SLC 481 SLC 482 SLC 483 SLC 485

- 3) INTERNSHIP - 2 hours
NEEDS: 2.00 HOURS
COURSE LIST: SLC 484

CHICANA/O & LATINA/O STUDIES
College of Liberal Arts and Sciences
2008-2009
Coor 6633, Ph: 480.965.5091

I. Core – 6 hours

TCL 201 - Transborder Society and Culture I: Interdisciplinary Approaches
OR

TCL 202 - Transborder Society and Culture II: Contemporary Issues

TCL 332 - Mexican American History since 1900 (3)

II. Electives – 12 Hours (upper division)

TCL 303 - Transborder Theory

TCL 304 - Transborder Method (3)

TCL 498 - Pro Seminar Capstone of Integration (3)

TCL 3 - any 300-level class

TCL 4 - any 400-level class

What you'll see on your DARS:

NOTE: Grade of "C" (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS

- 1) BIS CONCENTRATION CORE - 6 hours
NEEDS: 6.00 HOURS
COURSE LIST: TCL 201 OR TCL 202 TCL 332(R)

- 2) ELECTIVES - 12 upper division hours
NEEDS: 12.00 HOURS
COURSE LIST: TCL 3 TCL 4

TOURISM MANAGEMENT
College of Human Services
2008-2009
West, Ph: 602.543.6620

Description:

The minor consist of 18 semester hours of which 15 semester hours must be at the upper division level. To earn the minor, students must complete all courses with a minimum grade of C (2.00). Recreation and Tourism Management majors are not eligible to earn the Minor in Tourism Management.

I. Core - Needs 6 Hours of the Following:

- RTM 373 - Leisure Travel and Tourism
OR
- TDM 205 - Introduction to Travel and Tourism
- RTM 458 - International Tourism
OR
- TDM 458 - International Tourism
- RTM 475 - Entrepreneurial Recreation and Tourism
OR
- PRM 475 - Entrepreneurial Recreation and Tourism

II. Electives - 12 Hours

- RTM 303 - Programming Recreation and Tourism Services
OR
- PRM 303 - Program Planning
- RTM 304 - Recreation and Tourism Areas and Facilities Management
OR
- PRM 304 - Recreation Planning and Facility Development
- RTM 360 - Policy, Planning, Development of Recreation and Tourism Resources
- RTM 401 - Administration of Recreation and Tourism Services
OR
- PRM 401 - Management of Parks and Recreation Services
OR
- TDM 401 - Tourism Management
- RTM 404 - Marketing Recreation and Tourism
- RTM 458 - International Tourism
OR
- TDM 458 - International Tourism
- RTM 475 - Entrepreneurial Recreation and Tourism
OR
- PRM 475 - Entrepreneurial Recreation and Tourism
- RTM 486 - Special Events Management
OR
- PRM 486 - Special Events Management

What you'll see on your DARS:

TOURISM MANAGEMENT Concentration
College of Human Services
18 HOURS, MINIMUM 15 UPPER DIVISION
MINIMUM "C" (2.00) GRADE
***Not available to Recreation and Tourism
Management majors***

--> NEEDS: 2 SUB-GROUPS

- 1) Core - 6 Hours
NEEDS: 2 COURSES
COURSE LIST: RTM 373 OR REC 305 OR TDM 205 RTM 458 OR
REC 458 OR TDM 458 RTM 475 OR PRM 475 OR
REC 494 [*COM*A*REC*A*TO*]

- 2) Recreation Electives - 12 Hours
SELECT IN CONSULTATION WITH FACULTY ADVISOR
MAY NOT USE COURSES TAKEN IN CORE AREA
NEEDS: 12.00 HOURS
COURSE LIST: RTM 303 OR REC 303 OR REC 330 OR PRM 303
RTM 304 OR REC 304 OR REC 440 OR PRM 304 RTM 360
OR REC 360 RTM 401 OR REC 401 OR REC 462 OR
PRM 401 OR TDM 401 RTM 404 OR REC 404 OR REC 350
RTM 458 OR REC 458 OR TDM 458 RTM 473 OR REC 473
RTM 475 OR PRM 475 OR REC 494 [*COM*A*REC*A*TO*]
RTM 486 OR PRM 486 OR REC 494 [*SPEC*EVE*MAN*] OR
CMN 494 [*SPEC*EVE*MAN*]

TOURISM DEVELOPMENT AND MANAGEMENT

College of Public Programs

2008-2009**University Center, Room 550, Ph: 602.496.0167**

Description

The concentration in Tourism Development & Management program provides students with the planning and development skills needed to enter the largest industry in the world. Exposure to the businesses of nature-based tourism, heritage tourism, and meeting and convention planning will begin to prepare students for successful careers in the fast-growing travel and tourism industry. According to both the World Tourism Organization (WTO) and the World Travel Tourism Council (WTTC), the travel and tourism industry is the largest industry and employer in the world. It is the third largest industry in the United States and ranks as the second largest industry in Arizona. The concentration allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines including business, communication, and many others find this program a beneficial supplement to their program.

I. Core - Needs 9 Hours

- TDM 205 - Introduction to Travel and Tourism
- TDM 325 - Tourism Accommodations
- TDM 415 - Tourism Transportation Systems

II. Electives - Needs 9 Hours

- PRM 120 - Leisure and the Quality of Life
- TDM 345 - Meeting and Convention Planning
- TDM 350 - Tourism Marketing
- TDM 386 - Convention Sales and Management
- TDM 448 - Heritage and Cultural Tourism
- TDM 458 - International Tourism
- TDM 480 - Nature-Based Tourism
- PRM 475 - Entrepreneurial Recreation and tourism
- PRM 380 - Wilderness and Parks in America
- PRM 486 - Special Events Management

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) CORE - 9 hours

 NEEDS: 9.00 HOURS

 COURSE LIST: TDM 205 TDM 325 TDM 415

- 2) ELECTIVES - 9 hours

 NEEDS: 9.00 HOURS

 COURSE LIST: PRM 120 TDM 345 TDM 350 TDM 386

 TDM 448 TDM 458 TDM 480 PRM 475 PRM 380 PRM 486

THEATRE
Herberger College of the Arts, School of Theatre and Film
2008-2009
Dixie Gammage Room 232, Ph: 480.965.5337

Description

As a student pursuing this concentration, you will study the literatures, histories and basic production practices of theatre while having opportunities to concentrate in an area such as theatre and performance studies, directing and performance, design and production, new work development, theatre for youth, and film and media production.

Program Requirements

The school offers a BIS concentration in Theatre consisting of 22 semester hours of course work.

The following courses are required (13 credits):

FMP 201 Film: The Creative Process I HU (3)
THE 100 Introduction to Theatre HU (3)
THE 322 Theatre History and Culture HU, H (3)
THP 101 Acting: An Introduction (3)
THP 201 Theatre Production Crew (1)

Concentration area (9 credits):

Three upper-division three-hour courses within the same curricular area. Contact the Herberger College of the Arts for options and course requirements.

Total 22

Courses ordinarily limited to majors only are available on a second-priority basis; that is, BIS students may not register for these courses early, but are allowed to register after all majors' needs have been met. All prerequisites for the concentration courses must be met (see course listings). Transfer students may transfer up to nine semester hours toward their concentration. A grade of C (2.00) or higher is required for all courses in the concentration.

Contact the Herberger College of the Arts advising office for information:
<http://theatre.asu.edu/students/current/undergrad-minors.php>.

SYMBOLIC SYSTEMS
College of Liberal Arts & Sciences
2008-2009
Coor Hall, Room 3305, Ph: 480.965.2933

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

Requirements:

- Students must satisfy the prerequisites for the listed courses.
- With written approval from the Director of Undergraduate Studies in the Department of Philosophy, one substitution of a course from outside this list may be made.
- All courses must be passed with a minimum grade of “C”.

I. Computer Science – 9 Hours

CSE 200 - Concepts of Computer Science
CSE 210 - Object-Oriented Design and Data Structures
CSE 240 - Introduction to Programming Languages

II. Psychology – 10 Hours

PSY230 - Introduction to Statistics
PSY290 - Research Methods
PSY323 - Sensation and Perception
OR
PSY324 - Memory and Cognition
OR
PSY437 - Human Factors

III. Philosophy – 9 Hours

PHI319 - Philosophy of Computing
OR
PHI333 - Introduction to Symbolic Logic
PHI315 - Philosophy of Language
OR
PHI317 - Philosophy of Mind
PHI312 - Theory of Knowledge
OR
PHI314 - Philosophy of Science

What you'll see on your DARS:

--> NEEDS: 28.00 HOURS 2 SUB-GROUPS

- 1) COMPUTER SCIENCE - 9 hours
NEEDS: 9.00 HOURS
COURSE LIST: CSE 200 CSE 210 CSE 240

- 2) PSYCHOLOGY - 10 hours
NEEDS: 10.00 HOURS
COURSE LIST: PSY 230 PSY 290 PSY 323 OR PSY 324 OR
PSY 437

- 3) PHILOSOPHY - 9 hours
NEEDS: 9.00 HOURS
COURSE LIST: PHI 319 OR PHI 333 PHI 315 OR PHI 317
PHI 312 OR PHI 314

STATISTICS
College of Liberal Arts and Sciences
2008-2009
PSA 216, Ph: 480.965.3951

Description:

- The concentration in Statistics consists of a minimum of 18 semester hours, 12 of which must be upper division (300-level or higher).

Required courses are the following:

- MAT 271 Calculus with Analytic Geometry II *MA* (4)
or
- MAT 266 Calculus for Engineers II (3)
- MAT 272 Calculus with Analytic Geometry III *MA* (4)
or
- MAT 267 Calculus for Engineers III (3)
- MAT 300 Mathematical Structures *L* (3)
- STP 420 Introductory Applied Statistics *CS* (3)
- STP 421 Probability (3)
- STP 427 Mathematical Statistics (3)
or
- STP 429 Experimental Statistics *CS* (3)

Total 18-20

SPEECH AND HEARING SCIENCE
College of Liberal Arts and Sciences
2008-2009
Coor 2211, Ph: 480.965.2374

I. Core - 12 Hours

SHS 105 - Intro to Human Communication Disorders
SHS 250 - Introduction to Phonetics
SHS 310 - Anatomical and Physiological Bases of Speech
SHS 311 - Physical and Physiological Bases of Hearing

II. Core - 3 Hours

SHS 367 - Language Science
SHS 375 - Speech Science
SHS 376 - Psychoacoustics

III. Electives - 9 Hours

SHS 401 - Introduction to Audiology
SHS 402 - Modifying Communicative Behavior
SHS 465 - Speech and Language Acquisition
SHS 470 - Developmental Language Disorders
SHS 485 - Acquired Speech and Language Disorders
SHS 496 - Aural Rehabilitation

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

NOTE: Minimum 6 upper division hours at Tempe campus.

--> NEEDS: 24.00 HOURS

- 1) CORE - 12 hours
NEEDS: 12.00 HOURS
COURSE LIST: SHS 105 SHS 250 SHS 310 SHS 311

- 2) CORE - 3 hours
NEEDS: 3.00 HOURS
COURSE LIST: SHS 367 SHS 375 SHS 376

- 3) ELECTIVES - 9 hours
NEEDS: 9.00 HOURS
COURSE LIST: SHS 401 SHS 402 SHS 465 SHS 470
SHS 485 SHS 496

SPECIAL EVENTS MANAGEMENT
College of Human Services
2008-2009
602.543.6600

Requirements:

- The concentration requires 18 credit hours — at least 12 of these hours must be taken at the West campus.
- All courses must be at the 300 level or higher.
- Students must complete the 2 core courses and 4 electives.
- Students must receive a grade of at least a "C" in order for the course to count toward the concentration.

I. Core – 6 Hours

- RTM 486 - Special Event Management
OR
- PRM 486 - Special Events Management
OR
- CMN 494 - Topic: (Special Events Management)
OR
- RTM 487 - Special Events Advanced
- **Electives – 12 Hours**
- RTM 301 - Leadership in Rec. & Tourism
- RTM 303 - Programming for Rec. & Tourism
OR
- PRM 303 - Program Planning
- RTM 304 - Rec. & Tour. Areas and Facility Mgmt.
OR
- PRM 304 - Recreation Planning and Facility Development
- RTM 320 - Talent and Entertainment Concepts
- RTM 328 - Budgeting and Accounting for Special Events
- RTM 345 - Meeting & Convention Planning
- RTM 373 - Leisure, Travel and Tourism
OR
- TDM 205 - Introduction to Travel and Tourism
- RTM 394 - Special Topics
- RTM 403 - Professional Development Seminar
- RTM 404 - Marketing for Rec. and Tourism
- RTM 451 - Grant Writing for Human Service Professionals
- RTM 453 - Volunteer Mgmt. in Human Service Orgs.
OR
- NLM 310 - Volunteer Management
- RTM 458 - International Tourism
OR
- TDM 458 - International Tourism
- RTM 484 - Senior Internship

- OR
- PRM 463 – Senior Internship
- OR
- NLM 463 – Senior Internship
- OR
- TDM 463 – Senior Internship
- RTM 494 – Special Topics

What you'll see on your DARS:

 MINIMUM 12 HOURS UPPER DIVISION MUST BE COMPLETED AT ASU
 MINIMUM "C" (2.00) GRADE

***Not available to Recreation and Tourism
 Management majors***

 --> NEEDS: 18 HOURS 2 SUB-GROUPS

- 1) Core - 6 Hours
 NEEDS: 6.00 HOURS 2 COURSES
 COURSE LIST: RTM 486 OR PRM 486 OR
 CMN 494 [*SPEC*EVE*MAN*] RTM 487 OR
 CMN 494 [*SPEC*EVE*MAN*ADV*]
- 2) Elective Courses - 12 Hours
 SELECT IN CONSULTATION WITH FACULTY ADVISOR
 NEEDS: 12.00 HOURS
 COURSE LIST: REC 300 RTM 301 RTM 303 OR REC 303 OR
 REC 330 OR PRM 303 RTM 304 OR REC 304 OR REC 440
 OR PRM 304 RTM 320 TO RTM 328 RTM 345 RTM 373 OR
 REC 305 OR TDM 205 RTM 394 [*CONV*&*MEET*PLA*]
 RTM 403 RTM 404 OR REC 404 OR REC 350 RTM 451
 RTM 453 OR NLM 310 RTM 458 OR REC 458 OR TDM 458
 RTM 475 OR PRM 475 OR REC 494 [*COM*A*REC*A*TO*]
 RTM 484 OR REC 463 OR PRM 463 OR NLM 463 OR
 TDM 463 RTM 494 [*NON*PROF*MANG*]

SPANISH
New College of Interdisciplinary Arts & Sciences
2008-2009
West Campus
FAB, Room N204, Ph: 602.543.6090

20 HOURS, MINIMUM 12 UPPER DIVISION
MINIMUM C (2.00) GRADE

Description:

The concentration in Spanish consists of 20 hours of Spanish coursework, of which 12 hours must be upper division. All Spanish coursework must be completed with a minimum grade of "C".

I. Core - 8 Hours

SPA 201 - Intermediate Spanish
AND
SPA 202 - Intermediate Spanish
OR
SPA 207 - Spanish for International Professions II

II. Upper Division - 12 Hours

See an advisor:
SPA 3 - any 300-level SPA course
SPA 4 - any 400-level SPA course

What you'll see on your DARS:

- > NEEDS: 20.00 HOURS 2 SUB-GROUPS

- 1) Core - 8 Hours
 NEEDS: 8.00 HOURS
 COURSE LIST: SPA 201 & SPA 202 (OR) SPA 207

- 2) Upper Division Spanish - 12 Hours
 CHOOSE IN CONSULTATION WITH PROGRAM ADVISOR
 NEEDS: 12.00 HOURS
 -> NOT FROM: SPA 311 SPA 312 SPA 394 SPA 494
 COURSE LIST: SPA 3 SPA 4

SPANISH
College of Liberal Arts and Sciences
2008-2009
Durham Language & Literature Building 440

NOTES FOR MINOR and BIS EMPHASIS AREA:

- SPA 313 & 314 (OR SPA 315 & SPA 316, which are designed for bilinguals) are pre-requisites for SPA 412. Students testing out of SPA 313 & SPA 314 may register directly in SPA 412.
- As part of their electives, students might select two 3-credit courses from any POR 400 level culture or literature course.
- Students may substitute SPA 413, Advanced Spanish Grammar, for SPA 412, Advanced Conversation and Composition.
- A minimum of 6 upper-division hours in the minor or BIS emphasis area must be taken in residence at ASU Tempe Campus.
- A grade of C or better must be achieved in all courses for the minor & BIS emphasis area; Pass/Fail courses cannot be used for the minor or BIS emphasis area.
- SPA 311 & SPA 312 do not count towards the minor or BIS emphasis area in any catalog year.

REQUIRED COURSES:**I. Course General Studies Credits**

- SPA 325 Introduction to Hispanic Literature HU (3)
- SPA 412 Advanced Conversation/Composition G (3)

II. Six semester hours from the following courses: (6)

- SPA 425 Spanish Literature I (to 1700), **OR** HU
- SPA 426 Spanish Literature II (from 1700), **OR** HU
- SPA 427 Spanish-American Literature I (to 1880), **OR** L
- SPA 428 Spanish-American Literature II (from 1880), **OR** L, G
- SPA 464 Mexican-American Literature HU, C

III. Three (and only three) semester hours from the following courses: (3)

- SPA 471 Civilization of the Spanish Southwest, **OR** L or HU, C
- SPA 472 Spanish-American Civilization, **OR** HU, H, G
- SPA 473 Spanish Civilization HU or SB, G

IV. Three semester hours from SPA 394 or SPA 400-level courses: (3)

- SPA 394 Special Topics (Titles Vary)
- SPA 413 Advanced Spanish Grammar G
- SPA 429 Mexican Literature
- SPA 434 Drama of the Golden Age
- SPA 435 Cervantes-Don Quijote
- SPA 454 19th Century Spanish American Narrative
- SPA 456 20th Century Spanish American Fiction
- SPA 474 Mexican Culture
- SPA 485 Mexican American Short Story L
- SPA 486 Mexican American Novel
- SPA 487 Mexican American Drama
- SPA 494 Special Topics (Titles Vary)

What you will see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 18 upper division hours required.

--> NEEDS: 18.00 HOURS

- 1) REQUIRED COURSES - 6 hours
NEEDS: 6.00 HOURS
COURSE LIST: SPA 325 SPA 412

- 2) 400-LEVEL LITERATURE - 6 hours
NEEDS: 6.00 HOURS
COURSE LIST: SPA 425 SPA 426 SPA 427 SPA 428
SPA 464

- 3) CIVILIZATION - 3 hours
NEEDS: 3.00 HOURS
COURSE LIST: SPA 471 SPA 472 SPA 473

- 4) 400-LEVEL ELECTIVES - 3 hours
NEEDS: 3.00 HOURS
COURSE LIST: SPA 394 SPA 4

SPA MANAGEMENT
School of Applied Arts and Sciences, Polytechnic Campus
2008-2009
480.727.1932

Description:

The certification includes four courses (12 semester hours) focused on major business administration topics identified by a recent ISPA survey of spa directors and by members of the Spa Management Advisory Committee as crucial to success as a spa director. The faculty selected to instruct these courses are experts in their respective area of business.

- BUA 381 – Small Business Accounting and Finance
- BUA 382 – Small Business Sales and Market Development
- BUA 383 – Small Business Working Relationships
- BUA 330 – Organizational Leadership

Healthy nutrition is an important component of high-level health, and should be an important consideration in any spa.

- NTR 345 – Development of Healthy Cuisines

The Exercise and Wellness Department brings considerable experience and expertise in all areas of wellness to the program. The following courses have been designed to address key wellness and fitness issues for future spa directors, as well as specific spa operations and management issues, and provide students with hands-on spa experience.

- EXW 325 – Fitness for Life
- EXW 400 – Stress Management for Wellness
- EXW 484 – Exercise and Wellness Internship
- EXW 498 – Professional Seminar in Spa Management I
- EXW 498 – Professional Seminar in Spa Management II

Complementary and alternative health care has long been embraced by the spa industry. The rapid growth of medical spas is testimony to the expansion of this component of the spa experience. We have selected two courses to provide a broad overview of complementary and alternative health care.

- WED 165 – Overview of Massage Therapy
- HHS 300 – Overview of Complementary Health Systems

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 32 upper division hours required.

--> NEEDS: 34.0 HOURS 3 SUB-GROUPS

- 1) UPPER DIVISION EXW CORE - 14 hours
NEEDS: 14.0 HOURS
COURSE LIST: EXW 325 EXW 400 EXW 484 EXW 498

- 2) ELECTIVES - 20 hours
 - At least 18 upper division hours required
 - NEEDS: 20.0 HOURS
 - COURSE LIST: BUA 381 BUA 382 BUA 383 NTR 345 HHS 300 WED 165 OMT 494

- 3) SPA MANAGEMENT ADMISSIONS CHECK
 - Formal admission to this program is required.
 - See EXW departmental advisor for information.
 - NEEDS: 1 COURSE
 - COURSE LIST: CERTEXW EXWEMPH-C3

SOUTHEAST ASIAN STUDIES
College of Liberal Arts & Sciences
2008-2009
Coor Hall, Room 6608, Ph: 480.965.7184

I. Introduction – 3 Hours

REL 240 - Introduction to Southeast Asia
OR
HST 240 - Introduction to Southeast Asia
OR
ASB 240 - Introduction to Southeast Asia
OR
GCU 240 - Introduction to Southeast Asia
OR
POS 240 - Introduction to Southeast Asia
ASB 325 Peoples of Southeast Asia,

II. History – 3 Hours

HST 391 - Modern Southeast Asia

III. Electives – 9 Hours (Upper Division)

ASB 494 - Special Topics
ARS 394 - Special Topics
FLA 394 - Special Topics
ARS 394 - Special Topics
HUM 394 - Special Topics
HST 456 - The Vietnam War
ISB 394 - Special Topics
ISB 494 - Special Topics
IDN 394 - Special Topics
IDN 499
FLA 420 - Foreign Literature in Translation
THA 394 - Special Topics
VTN 394 - Special Topics
VTN 499
GLB 302 - Culture and Diversity Management
PUP 494 - Special Topics
POS 358 - Southeast Asia
REL 405 - Problems in Religious Studies

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS 4 SUB-GROUPS

- 1) INTRODUCTION - 3 hours
 NEEDS: 3.00 HOURS
 COURSE LIST: REL 240 OR HST 240 OR ASB 240 OR GCU 240
 OR POS 240 ASB 325

- 2) HISTORY - 3 hours
 NEEDS: 3.00 HOURS
 COURSE LIST: HST 391

- 3) ELECTIVES - 9 hours upper division
 Additional course options available - see department
 NEEDS: 9.00 HOURS
 COURSE LIST: ASB 494 [*SOUTHEAST* AS*]
 ARS 394 [*VIETNAM*] FLA 394 [*VIETNAM*]
 ARS 394 [*SOUTHEAST* AS*] OR
 HUM 394 [*SOUTHEAST* AS*] OR
 FLA 394 [*SOUTHEAST* AS*] HST 456
 IBS 394 [*ASIAN*] OR IBS 494 [*ASIAN*]
 IDN 394 [*AD* IND*] IDN 499
 FLA 420 [*SOUTHEAST* AS*] THA 394 [*AD* THAI*]
 VTN 394 [*AD* VIET*] VTN 499 GLB 302
 PUP 494 [*GLOB*] POS 358 REL 405 [*LIT* SOUTH*]

- 4) CAPSTONE - 3 hours
 NEEDS: 3.00 HOURS
 COURSE LIST: SASEMPH4 SASEMPHX

SOCIOLOGY
New College of Interdisciplinary Arts & Sciences
2008-2009
West Campus
FAB, Rooms N203 & N207, Ph: 602.543.6058

21 HOURS, MINIMUM "C" (2.00) GRADE
MINIMUM 9 HOURS UPPER DIVISION AT ASU

NOTE: FAS 331 is cross-listed with SOC 315, students cannot receive for both courses.

Description:

- The minor in Sociology requires 21 hours in sociology, nine of which must be upper division.
- All coursework within the minor must be completed with a minimum grade of "C" (2.00)
- At least nine upper-division hours must be completed from the New College of Interdisciplinary Arts and Sciences

I. Core – 9 Hours

SBS 303 – Quantitative Methods
SBS 304 – Social Statistics I
OR
SOC 486 – Contemporary Theory
SOC 301 – Principles of Sociology
OR
SOC 101 – Introductory Sociology

II. Electives – 12 Hours

See an advisor for approved list

What you'll see on your DARS:

- > NEEDS: 21.00 HOURS 2 SUB-GROUPS
- 1) Core - 9 Hours
NEEDS: 3 COURSES
COURSE LIST: SBS 303 SBS 304 OR SOC 486 SOC 301 OR
SOC 101
 - 2) Sociology Electives - 12 Hours
Select in consultation with Sociology Advisor

NEEDS: 12.00 HOURS

SOCIOLOGY
College of Liberal Arts and Sciences
2008-2009
Social Sciences 144, Ph: 480.965.6978

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

NOTE: Minimum 6 upper division hours at Tempe campus.

NOTE: FAS 331 is cross-listed with SOC 315, students cannot receive for both courses.

Description:

The concentration in sociology requires 18 credit hours, of which 12 hours must be upper division courses, with at least six upper-division hours completed at the Tempe campus.

I. Needs 6 hours

SOC 101- Fundamentals of sociology

SOC 391 - Research Methods

OR

SOC 483 - History of Social Thought

OR

SOC 486 - Contemporary Theory

II. Needs 12 Hours, at least 9 upper division

ANY SOC 100 level class

ANY SOC 200 level class

ANY SOC 300 level class

ANY SOC 400 level class

What you'll see on your DARS:

--> NEEDS: 18.00 HOURS

- 1) CORE - 6 hours

NEEDS: 6.00 HOURS

COURSE LIST: SOC 101, SOC 391 OR SOC 483 OR
SOC 486

- 2) ELECTIVES - 12 hours

At least 6 upper division hours required to meet
the Sociology 12 upper division hour requirement.

NEEDS: 12.00 HOURS

COURSE LIST: SOC 1 SOC 2 SOC 3 SOC 4

Needs 18.00 Total Hours completed

SOCIOCULTURAL ANTHROPOLOGY
New College of Interdisciplinary Arts and Sciences
2008-2009
West Campus
FAB, Rooms N203 & N207, Ph: 602.543.6058

18 HOURS, MINIMUM 12 UPPER DIVISION
MINIMUM "C" (2.00) GRADE

Description:

The concentration is designed to provide students with a substantive understanding of the theoretical assumptions and methodological techniques underlying the field of Sociocultural Anthropology. Courses provide students with knowledge about and theoretical approaches to cross-cultural studies and transnational research, emphasizing culture and political economy in historical context.

I. Core - 6 Hours

ASB 311 - Principles of Social Anthropology
SBS 302 - Qualitative Methods

II. Electives - 12 Hours

ASB 3 - any 300-level ASB course
ASB 4 - any 400-level ASB course
ASB 1 - any 100-level ASB course
ASB 2 - any 200-level ASB course
SBS 205 - Cybercultures
SBS 301 - Cultural Diversity
SBS 410 - Topics in Identity/Difference
SBS 430 - Topics in Power/Knowledge
SBS 440 - Family Studies
SBS 450 - Topics in Local/Global
SBS 460 - Urban Studies

What you'll see on your DARS:

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) Core - 6 Hours
 NEEDS: 6.00 HOURS
 COURSE LIST: W ASB 311(R) SBS 302(R)

- 2) Select 12 Hours from the following:
 Maximum 3 Hours of Independent Study
 NEEDS: 12.00 HOURS
 -> NOT FROM: ASB 311 SBS 302
 COURSE LIST: W ASB 3 ASB 4 ASB 1 ASB 2 SBS 205
 SBS 301 SBS 410 SBS 430 SBS 440 SBS 450 SBS 460

SOCIAL WELFARE
College of Public Programs
2008-2009
UCENT 800, Ph: 602.496.0800

Description:

The Concentration in Social Welfare prepares students for social welfare work and other professional careers where a fundamental knowledge of human relations is required. The Concentration enhances and broadens the ability of students to analyze complex family, individual, and societal problems in the context of societal values, cultural diversity, and other social and economic variables. The Concentration also contributes to students' understanding of society and social behavior, encourages critical thinking, and helps develop communication skills.

Students should:

- Meet with a Social Welfare Advisor prior to registration
- School of Social Work Advising Office Laura.Orr@asu.edu or (602) 496-0800
- Complete 18 hours of graded coursework (internship or independent study not applicable)
- Take a minimum of 12 hours of upper division coursework from the approved list
- Earn a grade of "C" or higher for all classes in the concentration
- Minimum of 12 hours of residence credit at the ASU Downtown Phoenix Campus
- Complete SWU 171 as the prerequisite for all upper division SWU courses
- Maintain cumulative GPA of 2.0 or higher
- Be sophomore standing to take 300 or 400 level courses

I. Required:

- o SWU 171 - Introduction to Social Work
- o SWU 291 - Social Service Delivery Systems
- o SWU 374 - Diversity & Oppression in Social Work
- o SWU 332 - Social Policy & Services

II. Choose 6 Hours:

- o SWU 302 - Human Biology for Social Workers
- o SWU 303 - Micro Human Behavior Social Environ SB
- o SWU 321 - Statistics for Social Workers CS
- o SWU 340 - Macro Human Behavior Social Environ SB
- o SWU 498 - Pro-Seminar

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.
Minimum 12 resident credit hours taken at Downtown Phoenix Campus
Must be a sophomore standing to take 300 or 400 level courses

--> NEEDS: 18.0 HOURS 2 SUB-GROUPS

- 1) CORE - 12 hours

NEEDS: 12.0 HOURS

COURSE LIST: SWU 171 SWU 291 SWU 332 SWU 374

- 2) ELECTIVES - 6 hours

NEEDS: 6.0 HOURS

COURSE LIST: SWU 302 SWU 303 SWU 321 SWU 340 SWU 498

SOCIAL & BEHAVIORAL SCIENCES
New College of Interdisciplinary Arts & Sciences
2008-2009
West Campus
FAB, Rooms N203 & N207, Ph: 602.543.6058

18 HOURS, MINIMUM 12 UPPER DIVISION
Minimum "C" (2.00) Grade in all courses

Description:

- The concentration in Social and Behavioral Sciences consists of 18 credit hours, at least 12 hours of which must be in upper division courses.
- All coursework within the concentration must be completed with a minimum grade of "C" (2.00)
- At least nine upper-division hours must be completed from the New College of Interdisciplinary Arts and Sciences

I. Core - 6 Hours

SBS 300 - Interdisciplinary Approaches to Social and Behavioral Sciences

SBS 302 - Qualitative Methods

OR

SBS 303 - Quantitative Methods

OR

POS 301 - Empirical Political Inquiry

II. SBS Core - 12 Hours

The remaining courses must be drawn from at least two of the fields of social and behavioral sciences (including the SBS interdisciplinary prefix). Internships or individualized instruction/research may not be applied to the concentration. All courses must be passed with a minimum grade of "C." Students wishing to pursue a concentration must meet with an SBS faculty advisor to construct a concentration that reflects a particular area of specialty and interest.

What you'll see on your DARS:

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) Core - 2 Courses

NEEDS: 6 Hours 2 COURSES

COURSE LIST: SBS 300(R) SBS 302 OR SBS 303 OR
M POS 301

- 2) SBS Courses - 12 Hours

Courses must be taken from at least 2 different fields
of Social & Behavioral Sciences. Internships or
Individualized Instruction/Research may NOT be used.

***STUDENTS MUST MEET WITH AN SBS DEPARTMENT ADVISOR
TO CONSTRUCT A CONCENTRATION THAT REFLECTS A PARTICULAR
AREA OF SPECIALTY AND INTEREST***

NEEDS: 12.00 HOURS 2 COURSES

SMALL BUSINESS

Morrison School of Agribusiness and Resource Management

2008-2009

480.727.1585

Description

The concentration in small business is available to non-business majors and consists of 18 semester hours, with five required courses and one business-related area course.

I. Core - Needs 15 hours of the following:

- BUA 380 – Small Business Leadership
- BUA 381 – Small Business Accounting and Finance
- BUA 382 – Small Business Sales and Market Development
- BUA 383 – Small Business Working Relationships
- BUA 384 – Small Business Operations and Planning

II. Electives - Needs 3 Hours of the Following:

- AGB 321 - Agribusiness Marketing II
- AGB 333 - Agribusiness Finance II
- AGB 364 - Agribusiness Technologies I
- AGB 365 - Agribusiness Technologies II
- AGB 410 - Agribusiness Management II
- AGB 414 - Agribusiness Analysis
- AGB 422 - Consumer Behavior
- AGB 424 - Agribusiness Sales
- AGB 425 - Agricultural Marketing Channels
- AGB 429 - Marketing Research
- AGB 431 - Intermediate Agribusiness Financial Management
- AGB 433 - Intermediate Agribusiness Financial Markets
- AGB 434 - Agricultural Risk Management and Insurance
- AGB 435 - Agricultural Commodities
- AGB 436 - Entrepreneurship and Financial Management of E-Commerce
- AGB 445 - Food Retailing
- AGB 450 - International Agricultural Development
- AGB 451 - Management Science
- AGB 452 - International Agricultural Policy
- AGB 454 - International Trade
- AGB 455 - Resource Management
- AGB 460 - Agribusiness Management Systems
- AGB 481 - Applied Microeconomics
- AGB 494 [*ADVERTISING*PUBLIC*REL*] - Special Topics
- AGB 494 [*ST:*ADVER*] - Special Topics
- AGB 494 [*NAMA*MARKETING*PLAN*] - Special Topics
- AGB 494 [*ST:*SPORT* EN*] - Special Topics
- AGB 494 [*ST:*TEC* AN*] - Special Topics
- AGB 498 [*PS:*AFM* FOOD*] - Pro-Seminar
- AGB 498 [*PS:*BUS* ETH*] - Pro-Seminar

- AGB 498 [*PS:*EFF* CON*] - Pro-Seminar
- AGB 498 [*EVAL* BUY*] - Pro-Seminar
- AGB 498 [*PS:*EVAL* SEL*] - Pro-Seminar
- AGB 498 [*EVAL*BUY*SELLING*BUSINESS*] - Pro-Seminar
- AGB 498 [*PS:*FOOD* BUS*] - Pro-Seminar
- AGB 498 [*PS:*INCOM*] - Pro-Seminar
- AGB 498 [*PS:*MARKET*] - Pro-Seminar
- AGB 498 [*NEW* BUS*] - Pro-Seminar
- AGB 498 [*NEW*BUSINESS*PRCESSES*] - Pro-Seminar
- AGB 498 [*PREPARATION*OF*TAXES*] - Pro-Seminar
- AGB 498 [*PS:*PREP*] - Pro-Seminar
- AGB 498 [*SELL* TO*] - Pro-Seminar
- AGB 498 [*PS:*SPORT* RE*] - Pro-Seminar
- AGB 498 [*SUPERVIS*] - Pro-Seminar
- AGB 498 [*SUPERVISORY*MANAGE*] - Pro-Seminar
- MGT 394 [*ST:*LEADER*] - Special Topics
- BUA 394 [*PERSPEC*GLOBAL*BUS*] - Special Topics
- BUA 380(THROUGH FA07) - Small Business Leadership
- BUA 381(THROUGH FA06) - Small Business Accounting and Finance
- BUA 382(THROUGH FA06) - Small Business Sales and Market Development
- BUA 383(THROUGH FA07) - Small Business Working Relationships
- BUA 394 [*ST:*LEG* ISS*] - Special Topics
- BUA 394 [*ST:*MANAGE*] - Special Topics
- BUA 440 - Strategic Management
- BUA 441 - Entrepreneurship and Feasibility
- BUA 494 *FIN*REP*ANALY* -Special Topics
- BUA 498 [*PS:*PER* INCO*] - Pro-Seminar
- BUA 498 [*COMM*INFRASTRUCT*] - Pro-Seminar
- BUA 498 [*FOOD*MANUFACT*] - Pro-Seminar
- BUA 498 [*INDUSTRIAL*MANUFACT*] - Pro-Seminar
- ENG 394 [*ST:*GIANT* BU*] - Special Topics
- ENH 311 - Giants of Business
- ENH 394 [*MGMT*NONP*SECTOR*ART*] - Special Topics
- ETM 301 - Environmental Management
- ETM 360 - Introduction to Emergency Management
- ETM 428 - International Environmental Management
- ETM 494 [*ST:*ENVIR* RE*] - Special Topics
- ETM 494 [*INTER*ENVIR*LAW*] - Special Topics
- EXW 400 - Stress Management for Wellness
- FIN 380 - Personal Financial Management
- HST 394 [*ST:*GIANT* BU*] - Special Topics
- MCN 394 [*PUB*RELAT*BUS*NONPROFIT*] - Special Topics
- TMC 331 - Quality Assurance
- TMC 470 - Project Management
- OMT 343 - Occupational Safety and Ergonomics
- OMT 344 - Industrial Organization
- OMT 402 - Legal Issues for Technologists
- OMT 453 - Safety Management
- OMT 456 - Introduction to Organized Labor
- OMT 480 - Organizational Effectiveness
- OMT 494 [*ST:*IND* TRA*] - Special Topics
- OMT 494 [*ST:*MID* EAST*] - Special Topics
- OMT 494 [*ST:*TEAM*] - Special Topics
- OMT 494 [*TEAM*] - Special Topics
- OMT 494 [*ST:*TEC* DEV*] - Special Topics

- LES 411 - Real Estate Law
- MGT 484 - Internship
- MGT 494 [*ST:*TECH* ORG*] - Special Topics
- MGT 494 [*HUMAN*RES*MANAGE*] - Special Topics
- OMT 494 [*INDUSTRIAL*LEADER*] -
- PGM 394 [*SPORT*PSYCH*] -
- PGS 304 - Effective Thinking
- PGS 350 - Social Psychology
- PHI 306 - Applied Ethics
- PHI 394 [*ST:*ETH* ISS*] - special topics
- POS 325 - Pub Policy Develop
- PSY 437 - Human Factors
- PSY 438 - Human-Computer Interaction
- PSY 439 - Training and Skill Acquisition
- PSY 440 - Industrial/Organizational Psychology
- PSY 448 - Human Factors in Transportation
- PSY 449 - Human Factors in Sport
- PSY 494 [*ST:*CHAN* MAN*] - Human Factors in Sport
- PSY 494 [*ST:*ERGO*] - Human Factors in Sport
- PSY 494 [*ST:*SAFE* BEH*] - Human Factors in Sport
- REA 394 - Special Topics
- REA 300 - Real Estate Analysis
- REA 331 - Real Estate Finance
- REA 380 - Real Estate Fundamentals
- REA 394 [*ST:*REA* E* E*] - Special Topics
- REA 401 - Real Estate Appraisal
- REA 441 - Real Estate Land Development
- REA 456 - Real Estate Investments
- REA 494 [*ST:*REA* E* F*] - Special Topics
- REA 494 - Special Topics
- AGB 498 [PRO-S* BUY*] - Pro-Seminar
- OMT 494 [*ST:*INT* LEAD*] - Special Topics
- OMT 494 [*ST:*LEA* CHAL*] - Special Topics
- OMT 494 [*ST:*LEA* WORK*] - Special Topics
- MGT 394(THROUGH S206) [*ST:*MANA*] - Special Topics
- MGT 394(THROUGH S206) [*ST:*LEAD*] - Special Topics
- MGT 494(THROUGH S206) *ST:*CAP* BUS* - Special Topics
- MGT 494(THROUGH S206) *ST:*SM* BU* E* - Special Topics
- MGT 494(THROUGH S206) *ST:*STRA* MAN* - Special Topics
- PSY 494 [*ST:*PSY* OF*] - Human Factors in Sport

What you'll see on your DARS:

 NOTE: Grade of C (2.00) or better required.

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) SMALL BUSINESS CORE - 15 hours
 NEEDS: 15.00 HOURS

COURSE LIST: BUA 380 BUA 381 BUA 382 BUA 383
BUA 384

- 2) SMALL BUSINESS RELATED AREA - 3 hours

See online Related Area course list:

www.poly.asu.edu/ecollege/businessadmin/curriculum.html

NEEDS: 3.00 HOURS

-> NOT FROM: BUA 380 BUA 381 BUA 382 BUA 383
BUA 384

COURSE LIST: SMBEMPH2 AGB 311 AGB 321 AGB 333
AGB 364 AGB 365 AGB 380 AGB 410 AGB 414 AGB 420
AGB 422 AGB 424 AGB 425 AGB 429 AGB 431 AGB 433
AGB 434 AGB 435 AGB 436 AGB 445 AGB 450 AGB 451
AGB 452 AGB 454 AGB 455 AGB 460 AGB 481 OR
AGB 380org AGB 494 [*ADVERTISING*PUBLIC*REL*]
AGB 494 [*ST:*ADVER*]
AGB 494 [*NAMA*MARKETING*PLAN*]
AGB 494 [*ST:*SPORT* EN*] AGB 494 [*ST:*TEC* AN*]
AGB 498 [*PS:*AFM* FOOD*] AGB 498 [*PS:*BUS* ETH*]
AGB 498 [*PS:*EFF* CON*] AGB 498 [*EVAL* BUY*]
AGB 498 [*PS:*EVAL* SEL*]
AGB 498 [*EVAL*BUY*SELLING*BUSINESS*]
AGB 498 [*PS:*FOOD* BUS*] AGB 498 [*PS:*INCOM*]
AGB 498 [*PS:*MARKET*] AGB 498 [*NEW* BUS*]
AGB 498 [*NEW*BUSINESS*PRCESSES*]
AGB 498 [*PREPARATION*OF*TAXES*]
AGB 498 [*PS:*PREP*] AGB 498 [*SELL* TO*]
AGB 498 [*PS:*SPORT* RE*] AGB 498 [*SUPERVIS*]
AGB 498 [*SUPERVISORY*MANAGE*] BUA 330 OR
MGT 394 [*ST:*LEADER*]
BUA 394 [*PERSPEC*GLOBAL*BUS*]
BUA 380(THROUGH FA07) BUA 381(THROUGH FA06)
BUA 382(THROUGH FA06) BUA 383(THROUGH FA07)
BUA 384(THROUGH FA06) BUA 394 [*ST:*LEG* ISS*]
BUA 394 [*ST:*MANAGE*] BUA 440 BUA 441
BUA 494 *FIN*REP*ANALY* BUA 498 [*PS:*PER* INCO*]
BUA 498 [*COMM*INFRASTRUCT*]
BUA 498 [*FOOD*MANUFACT*]
BUA 498 [*INDUSTRIAL*MANUFACT*]
ENG 394 [*ST:*GIANT* BU*] ENH 311
ENH 394 [*MGMT*NONP*SECTOR*ART*] ETM 301 ETM 360
ETM 428 ETM 494 [*ST:*ENVIR* RE*]
ETM 494 [*INTER*ENVIR*LAW*] EXW 400 FIN 380
HST 394 [*ST:*GIANT* BU*] IBS 400(THROUGH S207)
MCN 394 [*PUB*RELAT*BUS*NONPROFIT*] TMC 331
TMC 470 OMT 343 OMT 344 OMT 402 OMT 453 OMT 456
OMT 480 OMT 494 [*ST:*IND* TRA*]
OMT 494 [*ST:*MID* EAST*] OMT 494 [*ST:*TEAM*]
OMT 494 [*TEAM*] OMT 494 [*ST:*TEC* DEV*] LES 411
MGT 484 MGT 494 [*ST:*TECH* ORG*]
MGT 494 [*HUMAN*RES*MANAGE*]
OMT 494 [*INDUSTRIAL*LEADER*]
PGM 394 [*SPORT*PSYCH*] PGS 304 PGS 350 PGS 458

PHI 306 PHI 394 [*ST:*ETH* ISS*] POS 325 PSY 437
PSY 438 PSY 439 PSY 440 PSY 448 PSY 449
PSY 494 [*ST:*CHAN* MAN*] PSY 494 [*ST:*ERGO*]
PSY 494 [*ST:*SAFE* BEH*] REA 394 REA 300 REA 331
REA 380 REA 394 [*ST:*REA* E* E*] REA 401 REA 441
REA 456 REA 494 [*ST:*REA* E* F*] REA 494
AGB 498 [PRO-S* BUY*] OMT 494 [*ST:*INT* LEAD*]
OMT 494 [*ST:*LEA* CHAL*] OMT 494 [*ST:*LEA* WORK*]
MGT 394(THROUGH S206) [*ST:*MANA*]
MGT 394(THROUGH S206) [*ST:*LEAD*]
MGT 494(THROUGH S206) *ST:*CAP* BUS*
MGT 494(THROUGH S206) *ST:*SM* BU* E*
MGT 494(THROUGH S206) *ST:*STRA* MAN*
PSY 494 [*ST:*PSY* OF*]

RUSSIAN AND EAST EUROPEAN STUDIES
College of Liberal Arts and Sciences
2008-2009
COOR Hall 4450, Ph: 480.965.4188

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

I. Core – 6 Hours (one HST/ one SLV/RUS)

HST 370 - Eastern Europe in Transition
OR
HST 435 - The Russian Empire
OR
HST 436 - The Soviet Experiment
SLV 440 - History of Slavic Languages
OR
RUS 440 -
OR
RUS 441 - Survey of Russian Culture
OR
RUS 321 - Foundations of Russian Literature
RUS 322 - Great Russian Writers of the 19th Century

II. Capstone – 3 Hours

See an advisor

III. Electives – 9 Hours

APH 446/447 - 20th Century Architecture I/II
ARS 410 - Early Christian and Byzantine Art
ECN 306 - Survey of International Economics
OR
ECN 331 - Comparative Economic Systems
OR
ECN 365 - Economics of Russia and Eastern Europe
FLA 323 - Survey of Literature of the Soviet Era in Translation
OR
RUS 323 - Survey of Literature of the Soviet Era in Translation
OR
FLA 394 - Modern East European Drama
OR
FLA 420 - Survey of Literature in Translation –Russian
OR
FLA 461 - Feminist Political Writing in Contemporary Europe
OR
FLA 472 - Literature and Politics in Pre- and Post-Communist Europe
OR

FLA 476 - Literature and Film in 20th-Century Eastern Europe
 OR
 FLA 494 - Special Topics
 OR
 RUS 321 - Survey of Russian Literature
 OR
 RUS 322 - Survey of Russian Literature
 OR
 RUS 420 - Russian Poetry
 OR
 RUS 421 - Pushkin
 OR
 RUS 423 - Dostoevsky
 OR
 RUS 424 - Tolstoy
 OR
 RUS 425 - Chekhov
 OR
 RUS 426 - Literature of the Nationalities of the Former Soviet Union
 OR
 RUS 430 - Russian Short Story
 OR
 RUS 440 - History of the Russian Language
 OR
 RUS 441 - Survey of Russian Culture
 OR
 SLV 304 - Computational Linguistics of Slavic Languages
 OR
 SLV 440 - History of Slavic Languages
 GCU 426 - Geography of Russia and Surroundings
 HST 105 - Introduction to Slavic Civilization
 OR
 HST 370 - Eastern Europe in Transition
 OR
 HST 431 - Eastern Europe and the Balkans before 1914
 OR
 HST 432 - Eastern Europe and the Balkans since 1914
 OR
 HST 435 - The Russian Empire
 OR
 HST 436 - The Soviet Experiment
 MGT 302-
 MHL 363 - Survey of Russian Music
 OR
 MHL 439 - Music of the 19th Century
 OR
 MHL 447 - Music since 1900
 OR
 MHL 456 - History of Opera
 POS 355 - Russia and Successor States
 OR
 POS 494 - Democratization
 REL 270 - Introduction to Christianity
 OR
 REL 305 - Ritual, Symbol and Myth

OR
 REL 310 - Western Religious Traditions
 OR
 REL 365 - Islamic Civilization
 OR
 REL 366 - Islam in the Modern World
 OR
 REL 372 - Formation of the Christian Tradition
 OR
 REL 377 - Religion in Russia
 OR
 REL 379 - Religion, Nationalism, Ethnic Conflict
 SOC 332 - Urban Sociology
 WST 360 - Women as Healers
 AND
 WST 457 - Gender, Culture, and Development

What you'll see on your DARS:

--> NEEDS: 18.00 HOURS 3 SUB-GROUPS

- 1) CORE - 6 hours
 Select one HST course and one SLV/RUS course
 NEEDS: 6.00 HOURS
 COURSE LIST: HST LIST: HST 370 OR HST 435 OR HST 436
 SLV/RUS LIST: SLV 440 OR RUS 440 OR RUS 441 OR
 RUS 321 OR RUS 322

- 2) CAPSTONE - 3 hours
 Consult a Russian & East European Studies advisor
 for a current list of acceptable courses.
 NEEDS: 3.00 HOURS
 COURSE LIST: REEEMPHX REEEMPH2

- 3) ELECTIVES - 9 hours
 Select one course or course group from three
 separate disciplines.
 NEEDS: 9.00 HOURS 3 SETS
 COURSE LIST: APH 446 & APH 447 ARS 410 ECN 306 OR
 ECN 331 OR ECN 365 FLA 323 OR RUS 323 OR FLA 394
 OR FLA 420 OR FLA 461 OR FLA 472 OR FLA 476 OR
 FLA 494 OR RUS 321 OR RUS 322 OR RUS 420 OR
 RUS 421 OR RUS 423 OR RUS 424 OR RUS 425 OR
 RUS 426 OR RUS 430 OR RUS 440 OR RUS 441 OR
 SLV 304 OR SLV 440 GCU 426 HST 105 OR HST 370 OR
 HST 431 OR HST 432 OR HST 435 OR HST 436 MGT 302
 MHL 363 OR MHL 439 OR MHL 447 OR MHL 456 POS 355
 OR POS 494 REL 270 OR REL 305 OR REL 310 OR
 REL 365 OR REL 366 OR REL 372 OR REL 377 OR
 REL 379 SOC 332 WST 360 & WST 457

RUSSIAN
College of Liberal Arts & Sciences
2008-2009
Language and Literature, Room 440, Ph: 480.965.6281

NOTES FOR BIS EMPHASIS AREA:

- A grade of C or better must be achieved in all courses to be counted toward the minor or BIS emphasis area.
- A minimum of 6 upper-division hours in the minor or BIS emphasis area must be taken in residence at ASU Tempe Campus.
- Pass/Fail courses cannot be used for the minor or BIS emphasis area.
- RUS 201 and 202 are not applicable to the minor or BIS emphasis area.
- Course substitutions are permitted for Heritage speakers and other advanced speakers of Russian.
- Please contact Professor Lee Croft in the School of International Letters & Cultures for more information.
- Alternative courses may be chosen from the following: RUS 321, RUS 322, RUS 323, RUS 411, RUS 412, RUS 417, RUS 420, RUS 421, RUS 423, RUS 424, RUS 425, RUS/SLV 426, RUS 430, RUS/SLV 440, RUS 441, RUS 494, or RUS 495.

I. Core - 6 Hours

RUS 311 - Russian Composition and Conversation
RUS 312 - Russian Composition and Conversation

II. Electives - 12 Hours

RUS 211 - Basic Russian Conversation
RUS 212 - Basic Russian Conversation
RUS 3 - any 300-level Russian class
RUS 4 - any 400-level Russian class
SLV 3 - any 300-level SLV course
SLV 4 - any 400-level SLV course

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS

- 1) CORE - 6 hours
NEEDS: 6.00 HOURS
COURSE LIST: RUS 311 RUS 312
- 2) ELECTIVES - 12 hours
NEEDS: 12.00 HOURS
COURSE LIST: RUS 211 RUS 212 RUS 3 RUS 4 SLV 3

SLV 4

ROMANIAN
School of International Letters and Cultures
2008-2009
Ph: 480.965.6281

Description:

Romanian is a Romance language derived mainly from the Latin language spoken in the ancient Roman province of Dacia, which coincides roughly with modern Romania. Romanian has four principal dialects. Daco-Romanian, or Romanian proper, is spoken by about 18 million people in Romania, in parts of the Federal Republic of Yugoslavia, Croatia, Slovenia, Bosnia and Herzegovina, the Former Yugoslav Republic of Macedonia, Bulgaria, Hungary, and Moldova, where it is officially called Moldovan (although widely considered identical to Romanian). Macedo-Romanian, or Aromanian, has several hundred thousand speakers in various Balkan countries. Only a few thousand people still speak Megleno-Romanian, or Meglenitic, in Greece northwest of Thessaloníki, and Istro-Romanian, in Istria. These dialects are classified by some linguists as independent languages.

The Romanian literary language is based on the Daco-Romanian of the historic region of Walachia, in southern Romania. Romanian preserves some Latin traits lost in other Romance languages, notably the inflection of nouns. Romanian also has some characteristics common to the languages spoken in the Balkan Peninsula (most of which are not Romance languages), such as the placement of the definite article after the noun. Romanian has absorbed an unusually large number of words from the Slavic languages, the Greek language, the Turkish language, the Hungarian language, and the Albanian language.

Required Courses:

- ROM 313 – Intermediate Composition and Conversation I
- ROM 314 – Intermediate Composition and Conversation II
- ROM 411 – Advanced Spoken and Written Romanian I
- ROM 412 – Advanced Spoken and Written Romanian II
- ANY 2 courses (6 credits)
 - 300 ROM courses
 - 400 ROM courses

The Romanian concentration consists of 18- semester hours of ROM – courses above ROM-201. This concentration is so structured that it required all ROM semester hours of it be at the upper-division (300 – and above) levels.

Notes for BIS emphasis area:

- A grade of C or better must be achieved in all courses to be counted toward the minor.
- A minimum of 6 upper-division hours in the concentration must be taken in residence at ASU Tempe campus
- Pass/Fail courses cannot be used for credit towards the concentration

- ROM 101 through 201 are not applicable for the concentration

RELIGIOUS STUDIES
College of Liberal Arts & Sciences
2008-2009
Engineering Center A-Wing, Room 365, Ph: 480.965.0642

Description:

The BIS emphasis in Religious Studies requires 18 semester hours, including a minimum of 12 upper division hours.

Notes for BIS emphasis area:

- You will need to achieve a grade of “C” or better in your Religious Studies coursework.
- REL 400 and 405 are for Religious Studies majors only and registration in those courses would be by instructor permission only.

I. Core 3 Hours

- REL 305 - Ritual, Symbol, and Myth

II. Electives 15 Hours

- Any REL 100, 200, 300 or 400 level classes

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) CORE - 3 hours

NEEDS: 3.00 HOURS

COURSE LIST: REL 305

- 2) ELECTIVES - 15 hours

Must include at least 9 upper division hours to meet the 12 hour upper division requirement in Religious Studies.

NEEDS: 15.00 HOURS

COURSE LIST: REL 1 REL 2 REL 3 REL 4

RELIGIOUS STUDIES
New College of Interdisciplinary Arts & Sciences
2008-2009
West Campus
FAB, Room N276, Ph: 602.543.7003

21 HOURS, MINIMUM 18 UPPER DIVISION
15 HOURS REQUIRED AT ASU
MINIMUM "C" (2.00) GRADE

Note: Select courses in consultation with Religious Studies Faculty Advisor

Description:

The minor in Religious Studies consists of 21 semester hours of religious studies course work, of which 18 must be upper-division hours. Fifteen semester hours of campus resident credit is required. Only courses in which the student earns a minimum grade of "C" (2.00) can be counted toward the minor. Courses are to be selected in consultation with the religious studies advisor to create a coherent and complete program of study for the minor.

I. One Course - 3 Hours

AMS 417 - Religious Traditions of the American Southwest
REL 320 - Religion in America
REL 321 - Religion in America
REL 420 - Religion in American Life and Thought

II. Two Courses - 6 Hours

IAS 430 - ST: Science and Religion
REL 305 - Ritual, Symbol, and Myth
REL 390 - Women and World Religions
OR
WST 390 - Women and World Religions
ENG 424 - Milton
HIS 363 - Reformation

OR
HST 352 - Europe's Reformations
IAS 494 - ST: Science and Religion
OR
REL 494 - ST: Science and Religion
AMS 494 - ST: Psychology of Religion
OR
REL 494 - ST: Psychology of Religion

III. Special Topics - 3 Hours

At least one special topics course

IV. Electives - 9 Hours

See an advisor for full list:
AMS, CMN, IAS, REL, WST - any from these prefixes

What you'll see on your DARS:

--> NEEDS: 21.00 HOURS 4 SUB-GROUPS

- 1) At least one course from the following:
NEEDS: 3.00 HOURS 1 COURSE
COURSE LIST: AMS 417 W REL 320 W REL 321 REL 420

- 2) At least two courses from the following:
NEEDS: 6.00 HOURS 2 COURSES
COURSE LIST: IAS 430 REL 305 REL 390 OR WST 390
W ENG 475 OR ENG 424 HIS 363 OR M HST 352
IAS 494 [*SCI*REL*] OR REL 494 [*SCI*REL*]
AMS 494 [*PSY*REL*] OR REL 494 [*PSY*REL*]

- 3) At least one Special Topics Course
SEE RELIGIOUS STUDIES FACULTY ADVISOR FOR
APPLICABLE TOPICS
NEEDS: 3.00 HOURS 1 COURSE
COURSE LIST: RELTOPIC

- 4) 9 Hours of Electives
SEE RELIGIOUS STUDIES FACULTY ADVISOR FOR
APPROVED COURSES
NEEDS: 9.00 HOURS

RECREATION MANAGEMENT
College of Public Programs
2008-2009
University Center, Room 550, Ph: 602.496.0167

Description:

The concentration in Recreation Management will introduce you to community recreation programming and planning for a variety of populations. Students from such various disciplines including business, education, nursing, public affairs, social work, and many others might find this program a beneficial supplement to their existing program.

Requirements:

1. PRM 120, PRM 424
2. 18 hours of graded classroom course work (no internship, no independent study)
3. A minimum of 9 hours of course work at the upper division level, from the approved list
4. _C_ minimum grade required for all classes in the concentration
5. No double counting of courses for both a major and the concentration
6. A minimum GPA of 2.00 for those pursuing the concentration
7. Must be a junior to take 400 level courses

I. Core – 6 Hours

- PRM 120 – Leisure and the Quality of Life
- PRM 424 – Recreation Program Management

II. Electives – 12 Hours

- PRM 150 – Outdoor Pursuits
- PRM 302 – Inclusive Community Development
- PRM 315 – Community Recreation Systems
- PRM 364 – Foundations of Therapeutic Recreation
- PRM 368 – Sports Management
- PRM 475 – Entrepreneurial Recreation and Tourism
- PRM 486 – Special Event Management

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) CORE - 6 hours
 NEEDS: 6.00 HOURS
 COURSE LIST: PRM 120 PRM 424

- 2) ELECTIVES - 12 hours
 NEEDS: 12.00 HOURS
 COURSE LIST: PRM 150 PRM 302 PRM 315 PRM 364
 PRM 368 PRM 475 PRM 486

RECREATION MANAGEMENT
College of Human Services
2008-2009
West, 602.543.6600

Description:

The concentration consists of 12 semester hours of required courses and 6 semester hours of electives selected in consultation with a faculty advisor. At least 12 semester hours must be completed at West campus in upper division classes. To earn the concentration, students must complete all course work in the concentration with a minimum grade of C (2.00).

I. Core – 12 Hours

- RTM 120 - Leisure and Quality of Life
- RTM 303 - Programming Recreation and Tourism Services
- RTM 304 - Recreation and Tourism Areas and Facilities Management
- RTM 401 - Administration of Recreation and Tourism Services

II. Electives – 6 Hours

- RTM 210 - Leisure Delivery Systems
- OR**
- PRM 210 - Community Services and Professions
- OR**
- NLM 210 - Community Services and Professions
- OR**
- TDM 210 - Community Services and Professions
- OR**
- RTM 301 - Leadership in Recreation and Tourism
- RTM 302 - Recreation and Tourism for Diverse Populations
- OR**
- PRM 302 - Inclusive Community Development
- OR**
- NLM 302 - Inclusive Community Development
- OR**
- TDM 302 - Inclusive Community Development
- OR**
- RTM 360 - Policy, Planning, Development of Recreation and Tourism Resources
- RTM 402 - Evaluation and Assessment in Recreation and Tourism
- OR**
- PRM 402 - Assessment and Evaluation of Community Services
- OR**
- NLM 402 - Assessment and Evaluation of Community Services
- OR**
- TDM 402 - Assessment and Evaluation of Community Services
- RTM 403 - Professional Development Seminar
- RTM 404 - Marketing Recreation and Tourism
- RTM 450 - Leisure and Aging
- RTM 451 - Grant Writing for Human Service Professionals

- RTM 453 - Volunteer Management in Human Service Organizations
OR
- NLM 310 - Volunteer Management
- RTM 454 - Human Services for At-Risk Youth
- RTM 475 - Entrepreneurial Recreation and Tourism
OR
- PRM 475 - Entrepreneurial Recreation and Tourism
- RTM 484 - Internship
OR
- PRM 463 - Senior Internship
OR
- NLM 463 - Senior Internship
OR
- TDM 463 - Senior Internship
- RTM 486 - Special Events Management
OR
- PRM 486 - Special Events Management
- RTM 494 [*LEAD*A*PROF*DEV*] - Special Topics

What you'll see on your DARS:

 18 HOURS, MINIMUM 12 UPPER DIVISION
 9 HOURS OF UPPER DIVISION MUST BE COMPLETED AT ASU
 MINIMUM "C" (2.00) GRADE

*** NOT AVAILABLE TO RECREATION & TOURISM
 MANAGEMENT MAJORS ***

--> NEEDS: 2 SUB-GROUPS

- 1) Core - 12 Hours
 NEEDS: 12 HOURS 4 COURSES
 COURSE LIST: RTM 120 OR REC 120 RTM 303 RTM 304
 RTM 401

- 2) Recreation Management Electives - 6 Hours
 SELECT IN CONSULTATION WITH A RECREATION
 AND TOURISM MANAGEMENT FACULTY ADVISOR
 Choose two courses from the following:
 NEEDS: 6.00 HOURS
 COURSE LIST: RTM 210 OR REC 210 OR PRM 210 OR NLM 210
 OR REC 160 OR TDM 210 OR REC 160 RTM 301 OR
 REC 301 RTM 302 OR REC 302 OR PRM 302 OR NLM 302
 OR TDM 302 OR REC 494 [*INCL*COMM*DEV*] RTM 345
 RTM 360 RTM 402 OR REC 482 OR PRM 402 OR NLM 402
 OR TDM 402 RTM 403 OR REC 403 RTM 404 OR REC 404
 OR REC 350 RTM 450 RTM 451 RTM 453 OR NLM 310
 RTM 454 RTM 475 OR PRM 475 OR
 REC 494 [*COM*A*REC*A*TO*] RTM 484 OR REC 463 OR
 PRM 463 OR NLM 463 OR TDM 463 RTM 486 OR PRM 486
 OR REC 494 [*SPEC*EVE*MAN*]
 RTM 494 [*LEAD*A*PROF*DEV*]

PUBLIC RELATIONS & STRATEGIC COMMUNICATION
College of Human Services
2008-2009
West; 602.543.6600

Description

The Department of Communication Studies prepares professionals with highly effective communication skills-speaking, writing, cultural sensitivity, critical thinking, problem solving, and conflict management-through a number of academic program options.

Program Requirements

The Public Relations and Strategic Communications concentration will provide students with professional and academic expertise in persuasion and campaign communication, public relations, crisis communication, special events planning, marketing, professional writing, and editing (among other areas). Additionally, students will have the opportunity to refine the presentation skills needed for public and community relations. The concentration consists of 18 semester hours upper-division course work, including nine semester hours of required course work and nine semester hours of electives.

I. Core - Needs 9 hours of the following:

- o COM 320 - Communication and Consumerism

OR

- o CMN 320 - Communication and Consumerism
- o COM 329 - Persuasion

OR

- o CMN 329 - Persuasion
- o CMN 353 - Professional Communication
- o CMN 454 - Rhetorical and Critical Approaches to Public Relations

II. Electives - 9 Hours

See an advisor for list

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

18 SEMESTER HOURS UPPER DIVISION COURSEWORK

- 1) At least three courses from the following:
NEEDS: 9.00 HOURS 3 COURSES
COURSE LIST: COM 320 OR CMN 320 COM 329 OR CMN 329
 COM 353 OR CMN 353 COM 454 OR CMN 454

- 2) Electives - 9 hours
Select courses in consultation with an advisor
NEEDS: 9.00 HOURS

PUBLIC ADMINISTRATION & PUBLIC MGT
College of Public Programs
2008-2009
University Center, Room 400, Ph: 602.496.0468

Description:

The Concentration in Public Administration and Public Management prepares students for citizenship, leadership, and careers in governmental agencies and nonprofit organizations. It is for students interested in public service who want to:

- deliver and manage public programs
- reform welfare
- provide public safety
- preserve natural resources
- improve the quality of life
- build and bridge communities
- strengthen democratic governance
- analyze critical issues
- Lead change in public policy.

Requirements

The Concentration in Public Administration and Public Management consists of 18 credit hours of coursework. Students take 12 hours of core courses and 6 hours of elective courses. The 6 hours of elective courses may be selected from a list of elective courses, or taken upon the recommendation of the Concentration Advisor.

I. Core - Needs 12 Hours:

- PAF 300 - Public Management and Administration
- PAF 340 - Public Management and Policy
- PAF 420 - Public Leadership
- PAF 460 - Public Service Ethics

II. Electives - Needs 6 Hours:**A. ANTHROPOLOGY:**

- ASB 416 - Economic Anthropology
- ASB 417 - Political Anthropology

B. COMMUNICATION:

- COM 426 - Political Communication
- COM 430 - Leadership in Group Communication

C. GEOGRAPHY:

- GCU 352 - Political Geography
- GCU 357 - Social Geography
- GCU 361 - Urban Geography
- GCU 421 - Geography of Arizona and Southwestern United States

D. HISTORY:

- **HST 344 - DNE**

E. JUSTICE STUD:

- JUS 303 - Justice Theory

F. MANAGEMENT:

- MGT 380 - Management and Strategy for Nonmajors

G. MASS COMM:

- MCO 460 - Race, Gender, and Media
- H. PHILOSOPHY:**
- PHI 306 - Applied Ethics
- I. PLAN/LAND ARCH:**
- HUD 402 - Comm Revitalization:Prob/Strat
- PUP 420 - Theory of Urban Design
- PUP 424 - Planning Methods
- PUP 442 - Environmental Planning
- J. POLITICAL SCI:**
- POS 310 - American National Government
- POS 316 - State and Local Government
- POS 346 - Problems of Democracy
- POS 410 - Governing American Cities
- POS 426 - Elements of Public Policy
- POS 439 - Minority Group Politics in America
- POS 442 - American Political Thought
- POS 485 - Political Economy
- K. PUBLIC AFFAIRS:**
- any PAF undergraduate course
- L. REC MGT TOUR:**
- **REC 430 - DNE**
- M. SOCIOLOGY:**
- SOC 456 - Political Sociology
- SOC 486 - Contemporary Theory
- N. WOMENS STUD:**
- WST 380 - Gender, Race, and Class

What you'll see on your DARS:

 NOTE: Grade of "C" (2.00) or better required.
 Minimum 12 hours upper division.

- 1) CORE - 12 Hours
 NEEDS: 12.0 HOURS
 COURSE LIST: PAF 300 PAF 340 PAF 420 PAF 460

- 2) ELECTIVES - 6 Hours
 NEEDS: 6.0 HOURS
 COURSE LIST: ANTHROPOLOGY: ASB 416 ASB 417
 COMMUNICATION: COM 426 COM 430
 GEOGRAPHY: GCU 352 GCU 357 GCU 361 GCU 421
 HISTORY: HST 344
 JUSTICE STUD: JUS 303
 MANAGEMENT: MGT 380
 MASS COMM: MCO 460
 PHILOSOPHY: PHI 306
 PLAN/LAND ARCH: HUD 402 PUP 420 PUP 424 PUP 442
 POLITICAL SCI: POS 310 POS 316 POS 346 POS 410
 POS 426 POS 439 POS 442 POS 485
 PUBLIC AFFAIRS: any PAF undergraduate course
 REC MGT TOUR: REC 430
 SOCIOLOGY: SOC 456 SOC 486
 WOMENS STUD: WST 380

PSYCHOLOGY
New College of Interdisciplinary Arts & Sciences
2008-2009
West Campus
FAB, Rooms N203 & N207, Ph: 602.543.6058

Description:

- Maximum of three hours of research (PGS 399 and PGS/PSY 499) may be applied to meet concentration requirements
- Students with appropriate equivalent may exclude PSY 230 and PSY 290 with prior approval from a SBS advisor
- PGS 484 may be taken for elective credit only
- All coursework within the concentration must be passed with a minimum grade of "C" (2.00)
- At least nine upper-division hours must be completed from the New College of Interdisciplinary Arts and Sciences

I. Foundations of Psychological Science – 9 Hours

PGS 101 – Introduction to Psychology

PSY 230 – Introduction to Statistics

PSY 290 – Research Methods

II. Social and Developmental Core – 3 Hours

PGS 315 – Personality Theory and Research

PGS 341 – Developmental Psychology

PGS 350 – Social Psychology

III. Neuroscience Core – 6 Hours (choose two courses)

PSY 323 – Sensation and Perception

PSY 324 – Memory and Cognition

PSY 325 – Physiological Psychology

PSY 330 – Statistical Methods

PSY 369 – Biology of Human Sexuality

PSY 470 – Psychopharmacology

IV. Upper Division – 3 Hours

PGS 3 – any 300-level PGS course

PGS 4 – any 400-level PGS course

PSY 3 – any 300-level PSY course

PSY 4 – any 400-level PSY course

What you'll see on your DARS:

22 HOURS, MINIMUM "C" (2.00) GRADE

--> NEEDS: 22.00 HOURS 4 SUB-GROUPS

- 1) Foundations of Psychological Science - 3 Courses
 NEEDS: 9 HOURS 3 COURSES
 COURSE LIST: PGS 101(R) PSY 230(R) PSY 290(R)

- 2) Social & Developmental Core:
 NEEDS: 3.00 HOURS 1 COURSE
 COURSE LIST: PGS 315 PGS 341 PGS 350

- 3) Neuroscience Core (Choose two courses)
 NEEDS: 6.00 HOURS 2 COURSES
 COURSE LIST: PSY 323 PSY 324 PSY 325 PSY 330
 PSY 369 PSY 470

- 4) Upper Division Psychology - 3 Hours
 Maximum 3 Hours of PGS 399, PGS 499
 and PSY 499 may be used
 NEEDS: 3.00 HOURS
 COURSE LIST: PGS PSY

PSYCHOLOGY
College of Liberal Arts & Sciences
2008-2009
Psychology Building, Room 236A, Ph 480.965.7258

Description

Psychology focuses on appreciating and valuing the life of the mind and understanding the human condition from a scientific, psychological point of view. Students completing the concentration in psychology should possess breadth of knowledge pertaining to the major principles, theoretical approaches and findings in psychology. They should also understand and be able to use fundamental research and quantitative methods in psychology and be able to gather and synthesize psychological findings. Finally, they should be able to understand the relevance and applicability of psychological principles, approaches and findings to individual, group and social issues. In so doing, they will be prepared as educated citizens to pursue productive careers inside and outside of Psychology and engage on a daily basis their increasingly complex, information-rich world.

Program Requirements

The concentration in Psychology consists of completing the 22 semester hours of course work in the foundations of psychology and the breadth categories described below. Students must complete the specified psychology courses with grades of C or better.

Required Courses**I. Foundations of Psychology-All are required (10 hours):**

- PGS 101 - Introduction to Psychology
- PSY 230 - Introduction to Statistics
- PSY 290 - Research Methods

II. Breadth-Select one course from four of the five clusters (12 hours):**Personality:**

- PGS 315 - Personality Theory and Research

OR

- PGS 466 - Abnormal Psychology

Cognitive:

- PSY 320 - Learning and Motivation

OR

- PSY 323 - Sensation and Perception

OR

- PSY 324 - Memory and Cognition

Developmental:

- PGS 341 - Developmental Psychology

Social:

- PGS 306 - Environmental Psychology

OR

- PGS 350 - Social Psychology

OR

- PGS 351 - Honors Social Psychology

Biological:

- PSY 325 - Physiological Psychology

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 22.00 HOURS 2 SUB-GROUPS

- 1) FOUNDATIONS OF PSYCHOLOGY - 10 hours
NEEDS: 10.00 HOURS
COURSE LIST: PGS 101(R) PSY 230(R) PSY 290(R)
- 2) BREADTH - 12 upper division hours
Select one course from four of the five clusters
NEEDS: 12.00 HOURS 4 COURSES
COURSE LIST: PERSONALITY: PGS 315 OR PGS 466
COGNITIVE: PSY 320 OR PSY 323 OR PSY 324
DEVELOPMENTAL: PGS 341
SOCIAL: PGS 306 OR PGS 350 OR PGS 351
BIOLOGICAL: PSY 325

POLITICAL SCIENCE
New College of Interdisciplinary Arts & Sciences
2008-2009
West Campus
FAB, Rooms N203 & N207, Ph: 602.543.6058

18 HOURS REQUIRED
Minimum 12 Hours Upper Division
Maximum 3 Hours of POL 484 Internship &
3 Hours of POL 499 Individualized Instruction

Description:

- The minor in Political Science consists of 18 semester hours in POL courses, 12 hours of which must be in upper division courses.
- All coursework within the minor must be completed with a minimum grade of “C” (2.00)
- At least nine upper-division hours must be completed from the New College of Interdisciplinary Arts and Sciences

I. Political Science Minor – 9 Hours

POL 101 – Political Ideologies
OR
POL 340 – Political Theory
POL 110 – Government and Politics
OR
POL 310 – American National Government: Ideas & Institutions
POL 160 – Global Politics
OR
POL 360 – World Politics Theory

II. Electives – 9 Hours

POL 101 – Political Ideologies
OR
POL 340 – Political Theory
POL 3 – any POL 300-level course
POL 4 – any POL 400-level course

What you'll see on your DARS:

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) Political Science Minor
3 HOURS MUST BE UPPER DIVISION
NEEDS: 9.00 HOURS 3 COURSES
COURSE LIST: POL 101 OR POL 340 POL 110 OR POL 310
POL 160 OR POL 360

- 2) Political Science Electives - 9 Hours
NEEDS: 9.00 HOURS 3 COURSES
-> NOT FROM: POL 110 OR POL 310 POL 160 OR POL 360
COURSE LIST: POL 101 OR POL 340 POL 3 POL 4

POLITICAL SCIENCE
College of Liberal Arts & Sciences
2008-2009
Coor Hall, 6th Floor, Ph: 480.965.6551

Description:

The concentration in Political Science consists of 18 semester hours in political science courses, 12 hours of which must be upper-division courses. Students with a concentration in Political Science must have two courses from among the following, in addition to four POS electives:

- POS 210 Political Ideologies SB 3
- POS 110 Government and Politics SB 3
or POS 310 American National Government SB (3)
- POS 150 Comparative Government SB, G 3
- POS 160 Global Politics SB, G 3

Students must complete all courses for the concentration with grades of “C” (2.00) or higher. No more than three hours of POS 484 Internship and three hours of POS 499 Individualized Instruction may be applied to the concentration. A minimum of six upper division hours in the concentration must be taken in residence at the Tempe campus.

I. Political Science Core—choose 2 of the following (6 hours):

- POS 210 - Political Ideologies
- POS 110 - Government and Politics
- OR
- POS 310 - American National Government
- POS 150 - Comparative Government
- POS 160 - Global Politics

II. Political Science Electives (12 Hours):

- 9-12 upper division credits required
- POS 311 cannot be used the Political Science concentration

What you will see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) CORE - 6 hours
 NEEDS: 6.00 HOURS
 COURSE LIST: POS 210(SP07 or after) POS 110 OR
 POS 310 POS 150 POS 160

- 2) ELECTIVES - 12 hours
 9 to 12 upper division hours required to meet the
 12 hour upper division POS requirement.
 Maximum of 3 hours of POS 484 (or any internship)
 may be used.
 NEEDS: 12.00 HOURS
 -> NOT FROM: POS 311
 COURSE LIST: POS 1 POS 2 POS 3 POS 4

PHYSICS
College of Liberal Arts & Sciences
2008-2009
Physical Science F-Wing, Room 470, Ph: 480.965.3561

I. Core - 8 Hours

PHY 150 - Physics I

OR

PHY 121 - University Physics I: Mechanics

PHY 122 - University Physics Laboratory I

PHY 151 - Physics II (4 cr.)

OR

PHY 131 - University Physics II: Electricity and Magnetism

PHY 132 - University Physics Laboratory II

II. Core - 18 Hours

PHY 201 - Mathematical Methods in Physics I

PHY 252 - Physics III

PHY 302 - Mathematical Methods in Physics II

PHY 310 - Classical Particles, Fields, and Matter I

PHY 311 - Classical Particles, Fields, and Matter II

PHY 314 - Quantum Physics I

III. Electives - 3 Hours

PHY 3 - any 300-level class

PHY 4 - any 400-level class

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.

Minimum 12 upper division hours required.

--> NEEDS: 29.00 HOURS

- 1) CORE - 8 hours

PHY 121 & 122 and PHY 131 & 132 can be taken in lieu
of PHY 150 & 151

NEEDS: 8.00 HOURS

COURSE LIST: PHY 150 PHY 151

- 2) CORE - 18 hours
NEEDS: 18.00 HOURS
COURSE LIST: PHY 201(R) PHY 252(R) PHY 302(R)
PHY 310(R) PHY 311(R) PHY 314(R)

- 3) UPPER DIVISION ELECTIVES - 3 hours
NEEDS: 3.00 HOURS
COURSE LIST: PHY 3 PHY 4

PHILOSOPHY
New College of Interdisciplinary Arts & Sciences
2008-2009
West Campus
FAB, Room N276, Ph: 602.543.7003

Nature of Program

The concentration is designed to provide students with an understanding of central philosophical issues. The concentration provides students with knowledge of the most important problems and ideas in the philosophical areas studied; a capacity for critical thinking and analytical reasoning; and the ability to present one's positions effectively through oral and written communication.

Program Requirements:

The concentration in Philosophy consists of 21 semester hours of philosophy course work, of which 15 must be upper-division hours. Fifteen semester hours of campus resident credit is required. Only courses in which the student earns a grade of "C" (2.00) or higher will fulfill requirements for the minor. Courses are to be selected from the following list in consultation with a philosophy advisor to create a coherent and complete program of study.

I. Core – 21 Hours (choose 7 courses)

- PHI 101 - Introduction to Philosophy
- PHI 103 - Principles of Sound Reasoning
- PHI 306 - Applied Ethics
- PHI 340 - Bioethics
- OR
- IAS 340 - Bioethics
- PHI 360 - Business and Professional Ethics
- PHI 406 - Moral Dilemmas
- PHI 407 - Environmental Philosophy and Policy
- OR
- IAS 407 - Environmental Philosophy and Policy
- PHI 408 - Feminist Ethics
- OR
- IAS 408 - Feminist Ethics
- IAS 411 - History and Philosophy of Mathematics
- OR
- MAT 411 - History and Philosophy of Mathematics
- IAS 484 - Internship
- PHI 494 - Special Topics
- OR
- IAS 494 - Special Topics
- PHI 499 - Individualized Instruction
- OR
- IAS 499 - Individualized Instruction

What you'll see on your DARS:

21 HOURS, MINIMUM 15 UPPER DIVISION
15 HOURS REQUIRED AT ASU
*** MINIMUM "C" (2.00) GRADE ***

NOTE: SELECT COURSES IN CONSULTATION WITH A
PHILOSOPHY FACULTY ADVISOR

*** SIX HOURS MAXIMUM IN INTERNSHIP AND ***
*** INDIVIDUALIZED INSTRUCTION ***

--> NEEDS: 21.00 HOURS 1 SUB-GROUP

- 1) SELECT 21 HOURS FROM THE FOLLOWING COURSES:
NEEDS: 21.00 HOURS
COURSE LIST: PHI 101 PHI 103 PHI 306 PHI 340 OR
IAS 340 PHI 360 PHI 406 OR IAS 406 PHI 407 OR
IAS 407 PHI 408 OR IAS 408 IAS 411 OR MAT 411
IAS 484 PHI 494 OR IAS 494 PHI 499 OR IAS 499

PHILOSOPHY
College of Liberal Arts & Sciences
2008-2009
Coor Hall, Room 3305, Ph: 480.965.2933

Description:

A concentration in Philosophy consists of 18 semester hours, of which at least 12 must be upper division. All courses must be passed with a minimum grade of "C". No more than two courses may be taken in any one philosophical sub-discipline, which include:

- Metaphysics
- Epistemology
- Logic
- History of Philosophy
- Ethics / Political Philosophy

I. Upper Division – 12 Hours

PHI 3 – any 300-level PHI course

PHI 4 – any 400-level PHI course

II. Electives – 6 Hours

PHI 1 – any 100-level PHI course

PHI 2 – any 200-level PHI course

PHI 3 – any 300-level PHI course

PHI 4 – any 400-level PHI course

What you'll see on your DARS:

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

- 1) UPPER DIVISION - 12 hours
NEEDS: 12.00 HOURS
COURSE LIST: PHI 3 PHI 4
- 2) ELECTIVES - 6 hours
NEEDS: 6.00 HOURS
COURSE LIST: PHI 1 PHI 2 PHI 3 PHI 4

PARKS AND PROTECTED AREA MANAGEMENT
College of Public Programs
2008-2009
Downtown, Ph: 602.496.0550

Description:

As the Southwest continues to develop and urbanize, the demands and pressures on our public lands and natural resources will grow. The interplay between society and natural resources is key to understanding modernity and will continue to be at the center of policy issues and quality of life debates in the West. The concentration in Parks and Protected Area Management will introduce you to the role of parks and protected areas, with a focus on the unique issues faced by urban-proximate natural area managers. The concentration allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines including business, education, nursing, public affairs, social work, and many others might find this program a beneficial supplement to their existing program.

Completion of a concentration in Parks and Protected Area Management requires the following:

1. 18 hours of graded classroom course work (no internship, no independent study).
2. 15 hours of course work at the upper division level, from the approved list.
3. "C" minimum grade required for all classes in the concentration.
4. A minimum GPA of 2.00.
5. Must be a junior to take 400 level courses.
6. No double counting of courses for both BIS concentrations.

I. Core - 12 Hours

PRM 120 - Leisure and the Quality of Life
PRM 370 - Natural Resource Recreation Planning/Management
PRM 380 - Wilderness and Parks in America
TDM 480 - Nature Based Tourism

II. Electives - 3 Hours

PRM 301 - Sustainable Communities
PRM 340 - Outdoor Survival
PRM 470 - Environmental Education and Interpretation
TDM 448 - Heritage and Cultural Tourism

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 9 upper division hours required.

--> NEEDS: 15.00 HOURS 2 SUB-GROUPS

- 1) CORE - 12 hours
 NEEDS: 12.00 HOURS
 COURSE LIST: PRM 120 PRM 370 PRM 380 TDM 480

- 2) ELECTIVES - 3 upper division hours
 NEEDS: 3.00 HOURS
 COURSE LIST: PRM 301 PRM 340 PRM 470 TDM 448

HUMAN NUTRITION
ASU Polytechnic: East College
2008-2009
HSC 1386, (480) 727-1728

Description:

The human nutrition concentration provides a sound foundation in the basic sciences and nutrition, but no food service courses are required. This program would be useful to students seeking further education in allied health or medical fields.

○ Courses Include:

- NTR 241 - Human Nutrition* (3)
- NTR 341 - Intro to Planning Therapeutic Diets (3)
- NTR 340 - Applications in Human Nutrition (3)
- NTR 440 - Advanced Human Nutrition I (3)
- NTR 441 - Advanced Human Nutrition II (3)
- NTR 444 - Medical Nutrition Therapy (3)

*- Classes offered on both Tempe and Polytechnic Campus

Program Requirements**I. Core courses - 18 Hours**

- NTR 241 - Human Nutrition* (3)
- NTR 341 - Intro to Planning Therapeutic Diets (3)
- NTR 340 - Applications in Human Nutrition (3)
- NTR 440 - Advanced Human Nutrition I (3)
- NTR 441 - Advanced Human Nutrition II (3)
- NTR 444 - Medical Nutrition Therapy (3)

NONPROFIT ADMINISTRATION
College of Public Programs
2008-2009
University Center, Room 550, Ph: 602.496.0167

For a dynamic career in the nonprofit sector, there is no better undergraduate education and preparation than earning an American Humanics certificate. Arizona State University is one of the leading programs in the nation that offers this preferred national certification in Nonprofit Youth and Human Service Leadership and Management. It can be earned:

- in conjunction with a Bachelor of Interdisciplinary Studies (B.I.S.) Nonprofit Administration available through the School of Letters and Sciences

Courses:

- NLM 160 - Voluntary Action and Community Leadership
 - NLM 220 - Introduction to Nonprofit Organizations
- Four classes from list below***
- NLM 300 - Fund Raising and Resource Development
 - NLM 301 - Sustainable Communities
 - NLM 302 - Inclusive Community Development
 - NLM 310 - Volunteer Management
 - PRM 424 - Recreation Program Management
 - NLM 435 - Service Learning for Community Development
 - PRM 486 - Special Events Management
 - NLM 494 - Special Topics, as approved by CRD advisor

MUSIC
Herberger College of the Arts
2008-2009
Music E185, Ph: 480.965.3371

Description

The Music concentration is designed for those students who are interested in a broad introduction to the study of music. The program allows for a diverse exposure to traditional through contemporary music practices, with numerous options to select courses based on students' interests.

Program Requirements

The School of Music offers a BIS concentration in Music consisting of 21 semester hours of course work. A minimum grade of C (2.00) is required in all courses.

Required Courses (9 credits)

- MHL 201 Mac Literacy for Musicians* (3)
- MUP 100 Concert Attendance (four semesters)** (0)
- MUS 100 Fundamentals of Music Notation (3)
- MUS 340 Survey of Music History (3)

* The online version of this course is required

** Requires 4 semesters to complete this requirement

Music History (6 credits)

Choose two of the following five courses:

- MUS 347 Jazz in America (3)
- MUS 355 Survey of American Music (3)
- MUS 356 Survey of Musical Theatre (3)
- MUS 410 History of Women in Music (3)

Electives (6 credits)

Choose two of the following five courses:

- MUS 354 Rock and Roll (3)
- MUS 354 Rock and Roll since 1971 (3)
- MUS 354 Hip-Hop (3)
- MUS 354 Elvis Presley (3)
- MUS 354 The Beatles (3)

Please contact the School of Music for more information:

<http://music.asu.edu/students/current/undergrad/minorinfo.php>.

MULTIMEDIA WRITING & TECHNICAL COMMUNICATION
School of Applied Arts and Sciences
2008-2009
480.727.1592

The B.I.S. option requires 18 hours to include:

- TWC301 General Principles of Multimedia Writing
- TWC401 Principles of Technical Communication
- One (1) of the other core courses:
 - TWC411 Principles of Visual Communication
 - TWC421 Principles of Writing with Technology
 - TWC431 Principles of Technical Editing
 - Three (3) other 400 level TWC courses at least two (2) of which must be genre courses, such as TWC443 Proposal Writing or TWC447 Business Reports.
- In addition, students must take the B.I.S. Capstone course

I. Core - 6 Hours

TWC301 General Principles of Multimedia Writing

TWC401 Principles of Technical Communication

II. Options - 3 Hours

TWC431 Principles of Technical Editing

TWC443 Proposal Writing

TWC447 Business Reports

III. Genre Courses - 6 Hours

TWC 44_

IV. 400-level Elective

TWC 4 - any TWC 400-level course

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.

--> NEEDS: 18.00 HOURS

- 1) CORE - 6 hours
NEEDS: 6.00 HOURS
COURSE LIST: TWC 301(R) TWC 401(R)
- 2) OPTIONS - 3 hours
Select one course from the list
NEEDS: 3.00 HOURS
COURSE LIST: TWC 411 TWC 421 TWC 431

- 3) GENRE COURSES - 6 hours
 Select two technical genre courses
 NEEDS: 6.00 HOURS
 COURSE LIST: TWC 44

- 4) 400-LEVEL ELECTIVE - 3 hours
 Select any 400-level course not used above
 NEEDS: 3.00 HOURS
 COURSE LIST: TWC 4

MEDIEVAL & RENAISSANCE STUDIES
College of Liberal Arts & Sciences
2008-2009
PH: 480.965.5900

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

NOTE: Students may also pursue the certificate in
Medieval & Renaissance Studies. See Medieval
& Renaissance Studies advisor for details.

I. Latin – 6 to 8 Hours

LAT 101 - Elementary Latin
LAT 102 - Elementary Latin
LAT 201 - Intermediate Latin I
LAT 202 - Intermediate Latin II
LAT 3 - any 300-level LAT course
LAT 4 - any 400-level LAT course
LAT 5 - any 500-level LAT course

II. Language – 6 to 8 Hours

LAT 201 - Intermediate Latin I
LAT 202 - Intermediate Latin II
LAT 3 - any 300-level LAT course
LAT 4 - any 400-level LAT course
LAT 5 - any 500-level LAT course
FRE 321 - French Literature
FRE 415 - French Civilization I
ITA 430 - Italian Literature of the Middle Ages
ITA 441 - Dante: *Divina Commedia*
ITA 443 - Italian Literature of the Renaissance
FRE 3 -
FRE 4 -
ITA 3 -
ITA 4 -
SCA 314 -
SCA 315 - Old Norse
ENG 530 - Old English
ENG 531 - Old English Literature

III. Electives – 6 upper division Hours

See an advisor for list

IV. Thesis – 3 Hours

See an advisor to discuss

What you'll see on your DARS:

--> NEEDS: 21.00 HOURS 4 SUB-GROUPS

- 1) LATIN - 6 to 8 hours
NEEDS: 6.00 HOURS
COURSE LIST: LAT 101 LAT 102 LAT 201 LAT 202 LAT 3
LAT 4 LAT 5

- 2) LANGUAGE - 6 to 8 hours
See program advisor for additional course selections
NEEDS: 6.00 HOURS
COURSE LIST: LAT 201 LAT 202 LAT 3 LAT 4 LAT 5
FRE 321 FRE 415 ITA 430 ITA 441 ITA 443
FRE 3 [*REN*] FRE 4 [*REN*] FRE 3 [*MEDIEVAL*]
FRE 4 [*MEDIEVAL*] ITA 3 [*REN*] ITA 4 [*REN*]
ITA 3 [*MEDIEVAL*] ITA 4 [*MEDIEVAL*] SCA 314
SCA 315 ENG 530 ENG 531

- 3) ELECTIVES - 6 upper division hours
See program advisor for list of acceptable courses
NEEDS: 6.00 HOURS
COURSE LIST: MRSEMPHX MRSEMPH3

- 4) THESIS - 3 hours
Arrange thesis in consultation with program advisor
NEEDS: 3.00 HOURS
COURSE LIST: MRSEMPH4

MATHEMATICS
New College of Interdisciplinary Arts & Sciences
2008-2009
West Campus
FAB, Room N290C, Ph: 602.543.1650

27 HOURS, MINIMUM 9 HOURS IN MATHEMATICAL SCIENCES
AND APPLIED COMPUTING DEPARTMENT

Description:

The concentration in Mathematics explores the study of higher mathematics. It is designed to enable the student to understand the mathematics most commonly used in science, economics, and business. It is expected that students in the concentration will be able to reason, and to find creative solutions to problems that were either presented to them or meaningfully formulated by them. The concentration is recommended for students who plan to also have a concentration in integrative studies, life sciences, and business, as well as those who prepare for further graduate study.

I. Core - 15 Hours

MAT 270 - Calculus with Analytic Geometry I
MAT 271 - Calculus with Analytic Geometry II
MAT 272 - Calculus with Analytic Geometry III
MAT 300 - Mathematical Structures
MAT 342 - Linear Algebra

II. Electives - 3 Courses

MAT 310 - Introduction to Geometry
MAT 371 - Advanced Calculus I
MAT 411 - History and Philosophy of Mathematics
MAT 443 - Abstract Algebra
MAT 445 - Theory of Numbers
STP 420 - Introductory Applied Statistics

What you'll see on your DARS:

--> NEEDS: 27.00 HOURS 2 SUB-GROUPS

- 1) Core - 5 Courses

NEEDS: 5 COURSES

COURSE LIST: MAT 270(R) MAT 271(R) MAT 272(R)
MAT 300(R) MAT 342(R)

- 2) Select 3 Courses

NEEDS: 3 COURSES

COURSE LIST: MAT 310 MAT 371 MAT 411 MAT 443
MAT 445 STP 420

MATHEMATICS
College of Liberal Arts and Sciences
2008-2009
PSA 211, Ph: 480.727.6590

Description:

- The concentration in Mathematics consists of a minimum of 18 semester hours, 12 of which must be upper division (300-level or higher).
- Electives must be upper-division courses in mathematics (MAT) or Statistics and Probability (STP). Students may not apply MAT 485 or a course not offered at the Tempe campus to the minor, unless otherwise approved by a department advisor.

Required courses are as follows:

- MAT 271 Calculus with Analytic Geometry II MA (4)
or
 - MAT 266 Calculus for Engineers II (3)
 - MAT 272 Calculus with Analytic Geometry III MA (4)
or
 - MAT 267 Calculus for Engineers III (3)
 - MAT 342 Linear Algebra (3)
or
 - MAT 343 Applied Linear Algebra (3)
- Total 9-11**

Electives:

- 9 hours chosen in consultation with an advisor
- Total 9**

Total credits 18-20

LITERATURE, WRITING, AND FILM
School of Applied Arts and Sciences
2008-2009
Ph: 480-727-1333

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

Description:

The concentration in Literature, Writing, and Film at Arizona State University offers students the opportunity to develop their skills in professional, academic and imaginative writing, as well as their interpretation of literary and non-literary texts and critical thinking. The focus of the program is on effective writing, critical thinking, and sophisticated reading of literary and non-literary texts. The program stresses cultural and information literacy. It encourages the study of texts in their cultural context, and stresses the role of media and technology in the reading process.

BIS Concentration (18-21 hours)

- ENG 200 (3 semester hours)
- 9 semester hours of focus-area courses in their chosen track
- 6-9 semester hours of electives

I. Core – 3 Hours

ENG 200 - Critical Reading and Writing about Literature

II. Focus Area – 9 Hours

A. English for Secondary Teachers

- ENG 221 Survey of English Literature
- ENG 222 Survey of English Literature
- ENG 241 Literatures of the United States to 1860
- ENG 242 Literatures of the United States, 1860-Present
- ENG 314 Modern Grammar
- ENG 321 Introduction to Shakespeare
- ENG 333 American Ethnic Literature

B. Imaginative Writing, Literature, and Digital Publishing

- ENG 204 Introduction to Contemporary Literature
- ENG 210 Introduction to Creative Writing
- ENG 310 Intermediate Creative Writing
- ENG 411 Advanced Creative Writing
- ENG 412 Creative Nonfiction

C. Literature and Film

- ENG 221 Survey of English Literature
- ENG 222 Survey of English Literature
- ENG 241 Literatures of the United States to 1860
- ENG 242 Literatures of the United States, 1860-Present

- ENG 321 Introduction to Shakespeare
- ENG 365 History of Film
- ENG 385 Career Development for English Majors
- ENH 430 Studies in International Film
- ENH 440 Director's Cinema
- D. Pre-Law**
 - COM 222 Argumentation
 - COM 225 Public Speaking
 - ENG 216 Persuasive Writing on Public Issues
 - ENG 472 Rhetorical Studies
 - HST 321 Constitutional History of the United States to 1865
 - HST 322 Constitutional History of the United States Since 1865
 - PHI 306 Applied Ethics
- E. Writing and Recording Family History**
 - CMS 360/394 Recording Oral Histories
 - ENH 251/294 Introduction to Writing Family History
 - ENH 320/394 Writing a Personal History
 - ENH 322/394 Editing Family Writing for Public Audiences
 - ENH 394 Special Topics in Writing Family History
 - ENH 484 Capstone: Publication of a Family History (cross-listed with GIT 484)
 - GIT 294 Special Topics: Introduction to Digital Photography
 - GIT 303 Digital Publishing
 - GIT 394 Web Site Development
 - GIT 484 Senior Project (cross-listed with ENH 484)
 - HST 325 Immigration and Ethnicity in the United States
 - HTY 250/294 Introduction to Researching Family History
 - HTY 394 Special Topics: Researching Family History
 - TWC 301 General Principles of Multimedia Writing
 - TWC 401 General Principles of Writing with Technology
- F. Writing for Special Purposes**
 - ENG 215 Strategies for Academic Writing
 - ENG 216 Persuasive Writing on Public Issues
 - ENG 212 English Prose Style
 - ENG 385 Career Development for English Majors
 - ENG 472 Rhetorical Studies
 - TWC 301 General Principles of Multimedia Writing

III. Electives – 6 Hours

A. English for Secondary Teachers

- ENG
- ENH

B. Imaginative Writing, Literature and Digital Publishing

- GIT 194 Introduction to Graphic Documents
- GIT 294 Introduction to Digital Photography
- GIT 210 Creative Thinking and Design Visualization
- GIT 237 Web Content Design,
- GIT 233 Digital Publishing
- GIT 333 Printing Technology

C. Literature and Film

- ENG
- ENH
- FMS

D. Pre-Law

- COM 326 Court Room Oratory
- HST 321 Constitutional History of the United States to 1865
- HST 322 Constitutional History of the United States Since 1865
- JUS 100 The Justice System
- JUS 200 Topics in Concepts and Issues of Justice
- LES 350 Legal, Ethical, and Regulatory Issues
- MCO 402 Mass Communication Law
- PGS 101 Introduction to Psychology
- POL 313 The Congress
- POL 417 The Arizona Political System
- REL 100 Religions of the World
- REL 320 Religion in America
- SOC 101 Introductory Sociology
- SOC 301 Principles of Sociology
- SOC 340 The Sociology of Deviance
- SOC 341 Modern Social Problems
- SOC 417 Family Violence
- SOC 424 Social Inequality (ASU West course)
- SOC 429 Sociology of Law
- SOC 446 Sociology of Crime

E. Writing and Recording Family History

- COM 241 Introduction to Oral Interpretation
- COM 316 Gender and Communication
- COM 344 Performance of Oral Traditions
- COM 411 Communication in the Family
- ENG 210 Introduction to Creative Writing
- ENG 217 Writing Reflective Essays
- ENG 333 Ethnic Literature
- GIT 194 Special Topics: Introduction to Graphic Documents
- GIT 230 Digital Illustration in Publishing
- GIT 314 Multimedia Design Planning and Storyboarding
- GIT 334 Image Capture and Manipulation
- GIT 337 Web Content Design
- GIT 352 Technical Presentations
- GIT 413 Professional Portfolio Design and Presentation
- GIT 414 Web Site Design and Internet/Web Technologies
- HST 210 American Social History
- HST 314 American Cultural History Since 1865
- HST 331 Mexican American History to 1900
- HST 332 Mexican American History Since 1900
- HST 333 African American History to 1865
- HST 334 African American History Since 1865
- HST 337 American Indian History to 1900
- HST 338 American Indian History Since 1900
- HST 344 Arizona
- TWC 451 Intellectual Property and Copyright
- TWC 452 Information in the Digital Age

F. Writing for Special Purposes

- ENG 412 Creative Nonfiction
- GIT 194 Introduction to Graphic Documents
- GIT 230 Digital Illustration in Publishing
- GIT 334 Image Capture and Manipulation
- GIT 337 Web Content Design

- GIT 414 Web Site Design and Internet/Web Technologies
- TWC 401 Principles of Technical Communication
- TWC 403 Writing for Professional Publication
- TWC 411 Principles of Visual Communication
- TWC 421 Principles of Writing with Technology

What you'll see on your DARS:

--> NEEDS: 18.00 HOURS 3 SUB-GROUPS

- 1) CORE - 3 hours
 NEEDS: 3.00 HOURS
 COURSE LIST: ENG 200
- 2) FOCUS AREA COURSES - 9 hours
 NEEDS: 9.00 HOURS
 COURSE LIST: LWFEMPHX LWFEMPHFA
- 3) RELATED ELECTIVES - 6 HOURS
 NEEDS: 6.00 HOURS
 COURSE LIST: LWFEMPHX LWFEMPHRE

LIFE SCIENCES
New College of Interdisciplinary Arts & Sciences
2008-2009
West Campus
Ph: 602.543.6050

I. Required Courses – 29 Hours

BIO 187 - General Biology I
BIO 188 - General Biology II
CHM 113 - General Chemistry
CHM 116 - General Chemistry II
LSC 320 - Fundamentals of Ecology
OR
BIO 320 - Fundamentals of Ecology
LSC 322 - Fundamentals of Ecology Laboratory
LSC 347 - Fundamentals of Genetics
OR
BIO 340 - General Genetics
LSC 348 - Fundamentals of Genetics Laboratory
LSC 353 - Cell Biology
LSC 355 - Cell Biology Laboratory

What you'll see on your DARS:

--> NEEDS: 29 HOURS 2 SUB-GROUPS

- 1) Required Courses

COURSE LIST: BIO 187 BIO 188 CHM 113(R) CHM 116(R)
LSC 320 OR BIO 320 LSC 322(R) LSC 347 OR BIO 340
LSC 348(R) LSC 353 OR BIO 353 LSC 355(R)

LESBIAN, GAY, BISEXUAL & TRANSGENDER STUDIES
College of Public Programs
2008-2009
UASB 129, Ph: 480.965.4464
<http://uc.asu.edu/LGBT/>

Curriculum

- The certificate requires fifteen credit hours; a minimum of twelve must be upper division.
- Students who are using the certificate as a concentration for the Bachelor of Interdisciplinary Studies degree offered through the School of Interdisciplinary Studies, University College, need to complete eighteen hours of course-work. Students in this degree program should select twelve hours of electives from the approved list.

Descriptions of Required Courses

- *Introduction to Lesbian, Gay, Bisexual, and Transgender Studies*. The introductory course is taught at the 100 level and carries no prerequisites. The syllabus has been designed by a faculty committee and is divided into three topics: history, contemporary issues, and identity development. The purpose of the course is to introduce the students to key concepts, terms, and issues related to lesbian, gay, bisexual, and transgender people. Individual instructors create their own assignments and approach topics in unique ways, but regardless of who teaches the course, the foundations and key elements are addressed. Key elements include Stonewall, homophile movement, Hirschfeld, the Holocaust, *The Well of Loneliness*, Oscar Wilde, health, queer theory and politics, coming out, gender as a cultural construct, race/class/ethnicity, the closet, law and policy, transgender issues, transsexual issues, bisexuality, urban/rural, religion and spirituality, celebrities in the media, and the Westernization of “gay” and “lesbian” cultures. The curriculum committee will provide instructors with resources for the course, including materials on the capstone experience and career development.
- *Introduction to Lesbian, Gay, Bisexual, and Transgender Studies* will be taught once each fall and spring semester on a rotation basis. The schedule will be updated each year. The course will be taught under the prefix of the host department (e.g., if the course is taught in Social Work, it will carry the SWU prefix); the course will not be cross-listed; and the SCH (student credit hours) will go to the host department. *Capstone Experience*. All students will complete a three credit- hour capstone experience after completing a minimum of nine credit hours in the certificate program. The capstone experience will be supervised by any member of the faculty approved by the Lesbian, Gay, Bisexual, and Transgender Studies Committee.
- The *capstone experience* should be an internship, community service project, or research apprenticeship that integrates curricular activities with each student’s unique interests. The capstone experience should be based in principles of use-inspired, transformative research or creative activity that bridges the student’s curriculum with lived experiences of LGBT communities. Ideally, the capstone

experience integrates theory with experience, scholarship with change, and/or research with outcomes.

I. Introduction – 3 Hours

SWU 194 - Topic: Introduction to LGBT Studies

II. Capstone – 3 Hours

SEE LGBT ADVISOR

III. Electives – 12 Hours

APA 330 - Asian Pacific American Genders and Sexualities

APA 494 - Asian Pacific American Genders and Sexualities

CCS 294 - Dynamics of Difference in a Transborder Context

COM 400 - Asian Pacific American Genders and Sexualities

COM 494 - Communicative Sexualities

ENG 430 - Studies in Victorian Literature and Culture: Victorian Sexuality

ENG 461 - Studies in Women and Literature

ENG/FLA 494 - Queer Theory

ENG/FLA 494 - Queer Filmmaking

FLA 494 - Gay Identities

FAS 330 - Human Sexuality

FMS 340 - Contemporary American Film and Popular Culture

FMS 460 - Masculinity and Film

HUM 331 - Sexuality, Race and Power

HUM 340 - Contemporary U.S. Film

HUM 494/598 - Gender and Sexuality in the Classical World

HUM 494/598 - Masculinity in Film

HUM 494 - Sexuality in the Media

JUS 329 - Domestic Violence

JUS 425 - Race, Gender, and Justice

JUS 460 - Feminism and Justice

JUS 494 - Justice Issues in Israel/Palestine

LAW 691 - Sexual Orientation and the Law

SOC 361 - Variant Sexuality

SOC 363 - Sociology of Men and Masculinity

SWU 498 - Gender and Sexuality: Contemporary Issues

SWU 498 - Gay/Lesbian Issues

What you'll see on your DARS:

NOTE: Grade of "C" (2.00) or better required.

Minimum 12 hours upper division.

Minimum 12 hours at ASU.

--> NEEDS: 18.00 HOURS

- 1) INTRODUCTION - 3 hours

NEEDS: 3.00 HOURS

COURSE LIST: *** 194 [*INTRO* LGBT*]

- 2) CAPSTONE - 3 hours

Select in consultation with your LGBT advisor.

NEEDS: 3.00 HOURS

- 3) ELECTIVES - 12 hours

See your LGBT advisor for course options.

NEEDS: 12.00 HOURS

LEADERSHIP & ETHICS
College of Public Programs
2008-2009
University Center, Room 400, Ph: 602.496.0468

Description:

The concentration in Leadership and Ethics provides a catalyst for students with identified leadership potential to become ethical leaders of organizational and community change. This concentration is designed:

- to prepare individuals for positions of leadership and responsibility in the university, in their communities, and throughout their careers in business, government, and society;
- to explore the relationship between leadership and the capacity for individuals to assume responsibility for their actions and to act with a sense of ethics and integrity; and to
- provide students an understanding of change processes as they affect individuals, groups, and organizations throughout society, so that they might better learn to cope with and direct change in positive and beneficial ways.

All courses applied to the concentration must be completed with a grade of C or better.

- **PAF 494 Building Leadership Skills** (three credits): Introduction to developing leadership skills, including an assessment of the individual student's leadership skills, an examination of models of leadership and the skills and capacities required to lead successfully, and a series of activities in which students will reflect on the leadership lessons generated through their university experience.
- **PHI 394 Ethics and Justice** (three credits): An exploration of the ethical issues confronting contemporary leaders in the public, private, and nonprofit sectors, with special attention to the relationship between ethics and justice.
- **PAF 494 Leadership and Change** (three credits): An overview of the leader's role in bringing about significant and creative organizational and societal change, with special attention to establishing a vision, mobilizing and empowering individuals and groups, and assessing outcomes of the change process.
- **PAF 494 Leadership Capstone** (three credits): This course will engage students in specific service learning projects either on-campus or in the community and provide an opportunity for self-reflection and self-critique designed to enhance students overall leadership skills. Students will work directly with community mentors from the public, private, and nonprofit sectors on specific leadership projects that will test and refine their abilities to lead.
- **Electives** (six credits): leadership/ethics course within a substantive discipline.
BUS/HON 497 Honors Colloquium (Leadership through Service)
COM 430 Leadership in Group Communication
MGT 300 Organizational Management and Leadership
PAF 420 Public Leadership
PAF 460 Public Service Ethics
PAF 494 Leadership, Ethics, and Sports

PAF 494 Leadership and Communication
POS 314 The American Presidency
REC 430 Managing Nonprofit Organizations
SPF 498 Educational Leadership and Diversity in Sports

LATIN AMERICAN STUDIES
College of Liberal Arts & Sciences
2008-2009
Coor Hall, Room 6633, Ph: 480.965.6994

Description:

The Latin American Studies concentration program is designed to give students an understanding of culture, economies, political structures, and the history of Latin American nations. The Departments of Economics, Geographical Sciences, History, and Political Science; the Schools of Human Evolution and Social Change and International Letters and Cultures (Spanish and Portuguese); and Transborder Chicana/o and Latina/o Studies offer courses that combine to make up the interdisciplinary concentration.

Program Requirements:

Students must complete 33 semester hours of upper-division courses from the above departments/colleges with a concentration in Latin America-15 semester hours in the major subject and 15 semester hours in other disciplines. The program requires Spanish or Portuguese proficiency through the 313 level of conversation and composition. Only language courses above 313 in literature and civilization count toward a major or interdisciplinary area of preparation. Spanish and Portuguese courses above 313 in grammar and phonology do not count toward the major requirements.

I. Language – 3 Hours

- POR 313 - Portuguese Composition and Conversation
- POR 314 - Portuguese Composition and Conversation
- SPA 313 - Spanish Conversation and Composition
- SPA 314 - Spanish Conversation and Composition
- SPA 315 - Spanish Conversation and Composition for Bilinguals
- SPA 316 - Spanish Conversation and Composition for Bilinguals
- SPA 319 - Business Correspondence and Communication
- SPA 412 - Advanced Conversation and Composition
- SPA 413 - Advanced Spanish Grammar
- SPA 417 - Spanish Phonetics and Phonology
- SPA 420 - Applied Spanish Linguistics

II. Content Courses – 30 Hours

- APH 494 - Special Topics
- ARS 394 - Special Topics
- ARS 430 - Art of Spain and Its Colonies
- ARS 494 - Special Topics
- ARS 498 - Pro-Seminar
- ASB 322 - Peoples of Mesoamerica
- ASB 337 - Pre-Hispanic Civilization of Middle America
- ASB 394 - Special Topics
- ASB 494 - Special Topics
- ASB 494 - Special Topics
- DAN 394- Special Topics

- GCU 323- Geography of Latin America
- GCU 423- Geography of South America
- GCU 424- Geography of Mexico and Middle America
- GCU 591 - Seminar
- GCU 598 - Special Topics
- HON 394 - Special Topics
- HST 305 - Studies in Latin American History
- HST 331 - Mexican American History to 1900
- OR
- TCL 331 -
- HST 332 - Mexican American History Since 1900
- HST 375 - Colonial Latin America
- HST 376 - Modern Latin America
- HST 377 - Women in Colonial Latin America
- HST 378 - Latin American Women: The National Period
- HST 379 - Rebellion and Revolution in South America
- HST 380 - Cultural History of Latin America
- HST 443 - The United States and Latin America
- HST 445 - 20th-Century Cuba
- HST 446 - Colonial Mexico
- HST 447 - Modern Mexico
- INT 494 - Special Topics
- MHL 668 - Introduction to Ethnomusicology
- MUP 387 - Ethnomusicology Ensembles
- POR 321 - Luso-Brazilian Literature
- POR 472 - Luso-Brazilian Civilization
- POR 494 - Special Topics
- REL 332 - South American Indian Religions
- REL 494 - Special Topics
- REL 498 - Pro-Seminar
- SLC 494 - Special Topics
- SPA 427 - Spanish American Literature
- SPA 428 - Spanish American Literature
- SPA 429 - Mexican Literature
- SPA 454 - 19th-Century Spanish American Narrative
- SPA 456 - 20th-Century Spanish American Fiction
- SPA 471 - Civilization of the Spanish Southwest
- SPA 472 - Spanish American Civilization
- SPA 474 - Mexican Culture
- SPA 494 - Special Topics
- THE 426 - Theatre of the Americas
- THE 494 - Special Topics

What you'll see on your DARS:

 NOTE: Grade of C (2.00) or better required.
 Minimum 12 upper division hours required.

NOTE: Students may also pursue the certificate in
 Latin American Studies. See Latin American
 Studies advisor for details.

--> NEEDS: 33.00 HOURS 2 SUB-GROUPS

- 1) LANGUAGE - 3 hours
Proficiency through the 313 level is required.
NEEDS: 3.00 HOURS
COURSE LIST: POR 313 POR 314 SPA 313 SPA 314
SPA 315 SPA 316 SPA 319 SPA 412 SPA 413 SPA 417
SPA 420

- 2) CONTENT COURSES - 30 upper division hours in Latin
American content. Select courses in consultation
with Latin American Studies advisor.
NEEDS: 30.00 HOURS
COURSE LIST: APH 494 [*LATIN AMERICA*] ART 302
ARS 394 [*PRE*COLUMBIAN*] ARS 430 OR ARS 530
ARS 494 [*AZTECS*] OR ARS 598 [*AZTECS*]
ARS 494 [*MEXICAN*] OR ARS 593 [*MEXICAN*]
ARS 498 [*PRE*COLUMBIAN*] OR
ARS 591 [*PRE*COLUMBIAN*]
ARS 498 [*LATIN AMERICAN*] OR
ARS 591 [*LATIN AMERICAN*] ARS 498 [*BORDER*] OR
ARS 591 [*BORDER*] ASB 322 ASB 337
ASB 394 [*PRE*COLUMBIAN] ASB 494 [*AZTECS*] OR
ASB 598 [*AZTECS*] ASB 494 [*ANDEAN*] OR
ASB 598 [*ANDEAN*] ASB 498 DAN 394 [*BRAZIL*]
DAN 394 [*CARIBBEAN*] GCU 323 GCU 423 GCU 424
GCU 583 GCU 591 GCU 598 HON 321
HON 394 [*LATIN AMERICA*] HON 395
HON 494 [*LATIN AMERICAN*] HST 305 HST 331 OR
TCL 331 HST 332 HST 375 HST 376 HST 377 HST 378
HST 379 HST 380 HST 443 HST 445 HST 446 HST 447
INT 494 MHL 668 MUP 387 [*LATIN*]
MUP 387 [*MARIACHI*] POR 321 POR 394 [*BRAZILIAN*]
POR 472 POR 494 [*BRAZILIAN*] POS 453 REL 332
REL 430 REL 494 [*ANDEAN*]
REL 498 [*SPANISH AMERICA*] SLC 494 [*ANDEAN*]
SLC 494 [*QUICHUA LANGUAGE*]
SPA 394 [*MEXICO TODAY*] SPA 427 SPA 428 SPA 429
SPA 454 SPA 456 SPA 471 SPA 472 SPA 474
SPA 494 [*MEXICAN*] SPA 494 [*LATIN AMERICAN*]
SPA 494 [*CUBAN*] TCL 310 TCL 314 TCL 350
TCL 444 THE 426 THE 494 [*AMERICAS*]
THE 494 [*LATIN*]

LANDSCAPE STUDIES
College of Design
2008-2009
CDN 162, Ph: 480.965.3536

Description

The concentration in Landscape Studies is designed for students who have an interest in landscape aesthetics. The course selection is intended to provide greater understanding of landscape issues that may be relevant in related professional disciplines and to broaden knowledge about the landscape in which we live.

Program Requirements

Students must complete a minimum of 18 semester hours of which 12 hours must be taken at the 300 or 400 levels. A cumulative GPA of 2.50 or better in Landscape courses.

Required Courses:

ALA 102 Architecture and Landscape Architecture and Society HU, G (3)
LPH 310 History of Landscape Architecture H (3)
LPH 311 Contemporary Landscape Architecture HU (3)

Nine additional semester hours of electives in the landscape architectural history and theory concentration must be selected from the following list for a total of 18:

LAP 485 International Field Studies in Planning G (3)
LPH 394 Special Topics (3)
LPH 410 Social Factors in Landscape and Urban Planning (3)
LPH 411 Landscape Architecture Theory and Criticism L (3)
LPH 412 Landscape Ecology and Planning (3)
LPH 413 Southwest Landscape Interpretation (3)
LPH 494 Special Topics (3)
LPH 499 Individualized Instruction* (3)

* This course requires a petition to the School of Architecture and Landscape Architecture

I. Core - 9 Hours

- ALA 102 - Architecture and Landscape Architecture and Society
- LPH 310 - History of Landscape Architecture
- LPH 311 - Contemporary Landscape Architecture

II. Landscape Architectural History and Theory - 9 Hours

- LPH 494 - Special Topics
- LAP 485 - International Field Studies in Planning
- LPH 394 - Special Topics
- LPH 410 - Social Factors in Landscape and Urban Planning
- LPH 411 - Landscape Architecture Theory and Criticism
- LPH 412 - Landscape Ecology and Planning

- LPH 413 - Southwest Landscape Interpretation
- LPH 494 - Special Topics
- LPH 499 - Individualized Instruction

What you'll see on your DARS:

 Minimum 2.50 GPA required.
 Grade of "C" (2.00) or better required.
 Minimum 12 hours upper division required.
 Minimum 6 hours at ASU Main required.

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS 2.50 GPA

- 1) CORE - 9 HOURS
 NEEDS: 9.00 HOURS
 COURSE LIST: ALA 102 LPH 310 LPH 311

- 2) LANDSCAPE ARCHITECTURAL HISTORY & THEORY - 9 HOURS
 NEEDS: 9.00 HOURS
 COURSE LIST: APH 494 LAP 485 LPH 394 LPH 410
 LPH 411 LPH 412 LPH 413 LPH 420 LPH 494 LPH 499

KINESIOLOGY
College of Liberal Arts & Sciences
2008-2009
Physical Education West, Room 218, Ph: 480.965.3875

Description:

The concentration of kinesiology acquaints students with the field of kinesiology. Students interested in knowing how the body responds to exercise training as well as the affects of biomechanical, physiological, and psychological principals are encouraged to study this concentration.

I. Prerequisites 15-21 hours

- BIO 201 - Human Anatomy and Physiology I
- BIO 202 - Human Anatomy and Physiology II
- CHM 101 - Introductory Chemistry
- OR
- CHM 113 - General Chemistry I
- MAT 170 - Precalculus
- PGS 101 - Introduction to Psychology
- PHY 111 - General Physics

II. Core 3 hours

- KIN 200 - Introduction to Kinesiology

III. Upper Division Core 9 Hours

- KIN 335 - Biomechanics
- KIN 340 - Physiology of Exercise
- KIN 345 - Motor and Developmental Learning
- KIN 352 - Psychosocial Aspects of Physical Activity

IV. Upper Division Electives 9 Hours

What you'll see on your DARS:

--> NEEDS: 36.00 HOURS 4 SUB-GROUPS

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

- 1) PREREQUISITES - 15 to 21 hours
 NEEDS: 15.00 HOURS
 COURSE LIST: BIO 201 BIO 202 CHM 101 OR CHM 113
 MAT 170 PGS 101 PHY 111

- 2) CORE - 3 hours
 NEEDS: 3.00 HOURS
 COURSE LIST: KIN 200

- 3) UPPER DIVISION CORE - 9 hours
 Select 3 courses
 NEEDS: 9.00 HOURS
 COURSE LIST: KIN 335 KIN 340 KIN 345 KIN 352

- 4) UPPER DIVISION ELECTIVES - 9 hours
 NEEDS: 9.00 HOURS
 -> NOT FROM: KIN 305 KIN 310 KIN 484 KIN 492
 KIN 493 KIN 498 KIN 499
 COURSE LIST: KIN 3 KIN 4

JUSTICE STUDIES
College of Liberal Arts & Sciences
2008-2009
Wilson Hall, 2nd Floor, Ph: 480.965.7682

PROFILE:

The classroom experience for the student pursuing the Minor in Justice Studies is interdisciplinary, emphasizing ideas from the social sciences, philosophy, and legal studies. The minor is designed for students interested in supplementing their major by studying justice issues. The faculty wants students to develop an understanding of meanings of justice and injustice and analyze often controversial issues through critical inquiry and social science investigation. Primary focus is placed on theories of justice in these principle areas: (1) Economic Justice; (2) Social Justice, Law, and Society; (3) Cultural Transformation and Justice.

REQUIREMENTS:

1. 18 hours of graded classroom course work (no “Y” credit, pass/fail, or credit/no credit)

2. JUS 105 – Introduction to Justice Studies (freshman/sophomore level)

OR

JUS 305 – Principles of Justice Studies (junior/senior level)

3. JUS 303 – Justice Theory

4. A Minimum of 9 hours of Justice Studies resident credit at ASU Main.

5. A Minimum of 12 hours must be upper division credit.

6. Minimum grade of “C” for all courses in the minor.

7. Eligibility requirements and prerequisites must be met for each class.

*For non-Justice Studies students to take a 300 level JUS course (other than JUS 303 and 305), they must have earned a minimum

of 56 semester hours (junior status) and a minimum cumulative GPA of 2.00.

*For non – Justice Studies students to take a 400 level JUS course, they must have earned a minimum of 56 semester hours (junior status) and a minimum cumulative GPA of 2.50.

I. Core 6 Hours

- JUS 105 - Introduction to Justice Studies

OR

- JUS 305 - Principles of Justice Studies

- JUS 303 - Justice Theory

II. Electives 12 Hours

- JUS – any 100, 200, 300, or 400 level JUS class

What you'll see on your DARS:

NOTE: Grade of "C" (2.00) or better required.
No pass/fail credit.
Minimum 12 hours upper division.
Minimum 9 hours at ASU Tempe.

--> NEEDS: 18.00 HOURS

- 1) CORE - 6 hours
NEEDS: 6.00 HOURS
COURSE LIST: JUS 105 OR JUS 305 JUS 303(R)

- 2) ELECTIVES - 12 Hours
6 to 9 upper division hours required.
NEEDS: 12.00 HOURS
-> NOT FROM: JUS 105 JUS 303 JUS 305 JUS 484
JUS 498 JUS 499
COURSE LIST: JUS

JEWISH STUDIES

College of Liberal Arts & Sciences

2008-2009**Language and Literature, Room 649D, Ph: 480.727.6906**

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

I. Language – 6 Hours

HEB 101 - Elementary Modern Hebrew
HEB 102 - Elementary Modern Hebrew
HEB 201 - Intermediate Modern Hebrew
HEB 202 - Intermediate Modern Hebrew
HEB 313 - Advanced Modern Hebrew
HEB 314 - Advanced Modern Hebrew

II. Core – 9 Hours

See an advisor for list

III. Electives – 6 Hours

REL 210 - Introduction to Judaism
REL 315 - Hebrew Bible (Old Testament)
REL 317 - Introduction to Rabbinic Judaism
REL 373 - Women in Judaism
OR
WST 372 - Women in Judaism
REL 386 - America and the Holocaust
REL 410 - Judaism in Modern Times
REL 415 -
HEB 101 - Elementary Modern Hebrew
HEB 102 - Elementary Modern Hebrew
HEB 201 - Intermediate Modern Hebrew
HEB 202 - Intermediate Modern Hebrew
HEB 313 - Advanced Modern Hebrew
HEB 314 - Advanced Modern Hebrew
HEB 375 - Contemporary Culture of Israel
HEB 394 - Special Topic: War and Peace in the Middle East* (differs by semester)
HST 191 - First-Year Seminar
HST 300 - Historical Inquiry: France During WWII
HST 304 - Studies in European History
IHP 494 - Special Topics
ENG 356 - The Bible as Literature

What you'll see on your DARS:

--> NEEDS: 21.00 HOURS

- 1) LANGUAGE - 6 hours

NEEDS: 6.00 HOURS

COURSE LIST: HEB 101 HEB 102 HEB 201 HEB 202
HEB 313 HEB 314

- 2) CORE - 9 hours

Select one course in three of the five following areas: Religious Studies, History, Humanities, Social Studies, or Literature. See Jewish Studies advisor for list of approved courses.

NEEDS: 9.00 HOURS

COURSE LIST: JUDEMPHX JUDEMPH2

- 3) ELECTIVES - 6 hours

Select two courses from the list. See Jewish Studies advisor for additional course choices.

NEEDS: 6.00 HOURS

COURSE LIST: REL 210 REL 315 REL 317 REL 373 OR
WST 372 REL 386 REL 410 REL 415 HEB 101 HEB 102
HEB 201 HEB 202 HEB 313 HEB 314 HEB 375 HEB 394
HEB 494 HST 191 [*FS:JEW* HIS*]
HST 300 [*HI:ANTI-SEM*] HST 304 [*SIEH:JEW* MY*]
IHP 494 ENG 356

ITALIAN
College of Liberal Arts & Sciences
2008-2009
Language and Literature, Room 440, Ph: 480.965.6281

NOTES FOR BIS EMPHASIS AREA:

- No more than 6 credits from 200-level ITA can be counted toward the ITA minor or BIS emphasis area
- A grade of C or better must be achieved in all courses to be counted toward the minor or BIS emphasis area.
- A minimum of 6 upper-division hours in the minor or BIS emphasis area must be taken in residence at ASU Tempe Campus.
- Pass/Fail courses cannot be used for the minor or BIS emphasis area.
- ITA 315 Italian for Professions or ITA 494 History of Italian Language may be substituted for either ITA 311 or for ITA 312. Email silcadvising@asu.edu to do this.
- Substitutions are permitted for ITA 325, Introduction to Italian Literature with approval of an Academic Advisor first. Email silcadvising@asu.edu if you have questions

I. Core – 6 Hours

ITA 311 - Italian Composition and Conversation
OR

ITA 312 - Italian Composition and Conversation
ITA 325 - Introduction to Italian Literature

II. 400-Level – 3 Hours

ITA 4 – any 400-level class

III. Electives – 9 Hours

ITA 201 - Intermediate Italian I
ITA 202 - Intermediate Italian II
ITA 314 - Advanced Italian*
ITA 315 - Italian for Professions*
ITA 415 - Italian Civilization*
ITA 420 - Italian Cinema
ITA 425 - Italian American Culture
ITA 430 - Italian Literature of the Middle Ages
ITA 441 - Dante: *Divina Comedia*
ITA 443 - Italian Literature of the Renaissance
ITA 446 - Italian Literature of the 18th & 19th Centuries
ITA 449 - 20th Century Italian Literature
ITA 494 - Special Topics (see class schedule)
ITA 499 - Independent Study

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS

- 1) CORE - 6 hours
NEEDS: 6.00 HOURS
COURSE LIST: ITA 311 OR ITA 312 ITA 325

- 2) 400-LEVEL - 3 hours
NEEDS: 3.00 HOURS
COURSE LIST: ITA 4

- 3) ELECTIVES - 9 hours
Maximum of 6 hours allowed from 200-level courses
NEEDS: 9.00 HOURS
COURSE LIST: ITA 201 ITA 202 ITA 3 ITA 4

ISLAMIC STUDIES
College of Liberal Arts and Sciences
2008-2009
Ph: 480-965-7184

Description:

The program is designed to prepare students for graduate programs in Religious Studies, Islamic studies, and area studies or for any academic discipline (such as professional programs in international law and business) that focuses on global Muslim societies

Program Requirements:

Students must complete a minimum total of 26 semester hours, chosen in consultation with the Islamic Studies program coordinator. A minimum grade of C (2.00) is required in each course. Students must complete these requirements:

1. eight semester hours of Arabic, Indonesian, or another language approved by the program coordinator; students who are native speakers of these languages or who otherwise have equivalent knowledge substitute two additional courses approved by the program coordinator,
2. Nine semester hours from REL 260 Introduction to Islam, REL 365 Islamic Civilization, and REL 366 Islam in the Modern World,
3. Three semester hours taken from REL 394 (topics may vary) or REL 460 Studies in Islamic Religion (topics may vary), and
4. Six semester hours drawn from an approved list of courses in Arabic, anthropology, French, geography, history, and religious studies, Spanish or from other courses approved by the program coordinator.

INTERNATIONAL STUDIES
College of Liberal Arts & Sciences
2008-2009
Coor Hall, 6th Floor, Ph: 480.965.6551

I. Core – 3 hours (choose one)

POS 150 - Comparative Government

POS 160 - Global Politics

II. Concentration options – 3 hours (choose one)

POS 361 - American Foreign Policy

POS 364 - National Security, Intelligence, and Terrorism

III. Concentration options – 6 hours (choose two)

POS 300 - Contemporary Controversies in Global Politics

POS 465 - International Organization and Law

POS 467 - International Security

POS 486 - International Political Economy

IV. Concentration options – 6 hours (choose two)

POS 350 - Comparative Politics

POS 355 - Russia and Successor States

POS 356 - European Union

POS 357 - South Asia Politics

POS 358 - Southeast Asia

POS 359 - African Politics and Society

POS 360 - World Politics

POS 451 - China, Japan, and the Koreas

POS 452 - China

POS 453 - South America

POS 454 - Mexico

POS 455 - Central America and the Caribbean

POS 459 - South and Southern Africa

POS 463 - Inter-American Relations

POS 468 - Comparative Asian Foreign Policies

What you'll see on your DARS:

--> NEEDS: 18.00 HOURS 4 SUB-GROUPS 2.00 GPA

NOTE: Grade of C (2.00) or better required.
Minimum of 12 upper division hours required.

- 1) CORE - 3 hours
 Select one course from the course list
 NEEDS: 3.00 HOURS
 COURSE LIST: POS 150 POS 160

- 2) CONCENTRATION OPTIONS - 3 hours
 Select one course from the course list
 NEEDS: 3.00 HOURS
 COURSE LIST: POS 361 POS 364

- 3) CONCENTRATION OPTIONS - 6 hours
 Select two courses from the course list
 NEEDS: 6.00 HOURS
 COURSE LIST: POS 300 POS 465 POS 467 POS 486

- 4) CONCENTRATION OPTIONS - 6 hours
 Select two courses from the course list
 NEEDS: 6.00 HOURS
 COURSE LIST: POS 350 POS 355 POS 356 POS 357
 POS 358 POS 359 POS 360 POS 451 POS 452 POS 453
 POS 454 POS 455 POS 459 POS 463 POS 468

INTERNATIONAL GEOGRAPHY
College of Liberal Arts & Sciences
2008-2009
Schwada Building, Room 131, Ph: 480.965.3652

Description:

- The International Geography area of concentration requires 19 semester hours of which a minimum of 12 semester hours must be upper division.
- A letter grade of C or better is required for all courses taken in the area of concentration.
- A minimum of six upper-division hours in the concentration must be taken in residence at ASU Main

I. Part 1 - 7 Hours

GCU 121 - World Geography
GCU 141 - Introduction to Economic Geography

II. Part 2 - 9 Hours (3 courses)

GCU 325 - Geography of Europe
GCU 326 - Geography of Asia
GCU 328 - Geography of Middle East and North Africa
GCU 332 - Geography of Australia and Oceania
GCU 350 - The Geography of World Crises
GCU 359 - Cities of the World I
GCU 360 - Cities of the World II
GCU 364 - Energy in the Global Arena

III. Part 3 - 3 Hours (one course)

GCU 423 - Geography of South America
GCU 424 - Geography of Mexico and Middle America
GCU 425 - Geography of the Mexican American Borderland
GCU 433 - Geography of Southeast Asia

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 19.00 HOURS 3 SUB-GROUPS

- 1) PART 1 - 7 hours
NEEDS: 7.00 HOURS
COURSE LIST: GCU 121(R) GCU 141(R)

- 2) PART 2 - 9 hours
NEEDS: 9.00 HOURS
COURSE LIST: GCU 323 GCU 325 GCU 326 GCU 328
GCU 332 GCU 350 GCU 359 GCU 360 GCU 364

- 3) PART 3 - 3 hours
NEEDS: 3.00 HOURS
COURSE LIST: GCU 423 GCU 424 GCU 425 GCU 433

INTERNATIONAL BUSINESS
W. P. Carey School of Business
2008-2009
Business Administration, Room 109, Ph: 480.965.4227

Description:

You can expand your horizons and your opportunities by learning about the global economy. The W. P. Carey School has partnerships with universities in Europe, Asia and Latin America so you experience new cultures, visit new places and build intercultural and language skills. Overseas internships also are offered in conjunction with the international programs office at ASU.

Requirements

- 9 credit hours of international business courses, including MGT 302 or ECN 306.
- 9 credit hours of international study outside of business.
- The equivalent of one year of college-level foreign language.
- Minimum grade point average of 2.5 with no grade lower than C in courses applied toward the certificate.
- All business credits must be taken through the W. P. Carey School of Business or on an approved ASU international study program.

I. Core – 3 Hours

- MGT 302 - Principles of International Business
- ECN 306 - Survey of International Economics

Business Electives – 6 Hours

- ECN 306 - Survey of International Economics
- ECN 331 – Economics of the European Economic Union
- ECN 360 – Economic Development
- ECN 365 - Economics of Russia and Eastern Europe
- ECN 394 [*EURO* UNION*] – Special Topics
- ECN 394 [*GLOBAL*] - Special Topics
- ECN 394 [*LATIN AM*] - Special Topics
- ECN 436 - International Trade Theory
- ECN 438 - International Monetary Economics
- ECN 494 [*EURO* UNION*] - Special Topics
- ECN 494 [*GLOBAL*] – Special Topics
- ECN 494 [*LATIN AM*] - Special Topics
- ECN 494 [*MULTI*] - Special Topics
- FIN 456 - International Financial Management
- MGT 400 - Cultural Factors in International Business
- MGT 459 - International Management
- MGT 302 - Principles of International Business
- MKT 350 – DNE

OR

- MKT 360 – Seminar in International Business

OR

See International Business Program Coordinator.
NEEDS: 1 SET

- 5) INTERNATIONAL BUSINESS GPA - 2.50 required
NEEDS: 2.50 GPA

INTERDISCIPLINARY ARTS & PERFORMANCE
New College of Interdisciplinary Arts & Sciences
2008-2009
West Campus
FAB, Room N290C, Ph: 602.543.1650

24 Hours, Minimum 12 Upper Division

Description:

Programs in interdisciplinary, collaborative studies in the arts are developing throughout the United States. ASU's West campus Bachelor of Arts degree in Interdisciplinary Arts and Performance (IAP) is the only one of its kind in the southwest. This unique program incorporates a variety of media in the arts world. Majors take course work in Digital Media Arts, Music and Electronic Sound Art, Performance Studies, Theatre/Performance Arts, Digital Graphics and more Traditional Visual Arts. Students who leave ASU at the West campus with a B.A. in Interdisciplinary Arts and Performance enter the arts world through a variety of professional opportunities with skill sets that prepare them for significant careers in the 21st century.

I. Core – 6 Hours

IAP 304 – Traditions of the Avant-Garde and Experimental Art
IAP 305 – 20th /21st Century Art, Performance, and Media
IAP 325 – Sound Performance: Exploring Alternative Performance Groups
IAP 334 – Conceptual Development in the Arts
IAP 354 – Visual Representations
IAP 361 – Digital Editing & Media Literacy

II. Upper Division – 6 Hours

See an advisor for an approved list

III. Electives – 12 Hours

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What you'll see on your DARS:

--> NEEDS: 24.00 HOURS 3 SUB-GROUPS

- 1) Upper Division IAP Core - 6 Hours
Chose six (6) hours from the following course:
IAP 304 or 305, IAP 325, IAP 334, IAP 354,
IAP 361, or IAP 360
COURSE LIST: IAP 304 OR IAP 305 IAP 325 IAP 334
IAP 354 IAP 361

- 2) Upper Division IAP - 6 Hours
Must be selected in conjunction with an
Academic Advisor
NEEDS: 6.00 HOURS
COURSE LIST: IAPMIN299 IAPMINUP IAPWESTX

- 3) Approved Electives - 12 Hours
May include lower division courses
NEEDS: 12.00 HOURS
COURSE LIST: ARA ARS DAH DAN IAP MUE MUP
MUS THE THP

Informatics
 School of Computing and Informatics
 2008-2009
 Brickyard Suite 208, Ph: 480.965.3199

**INFORMATICS CERTIFICATE/BIS CONCENTRATION
 VERIFICATION CHECKSHEET
 SCHOOL OF COMPUTING AND INFORMATICS**



The Informatics Certificate or the BIS concentration in Informatics provides recognition that the student has acquired an understanding of the capabilities and technologies of Informatics as it applies to domain specific problems in their field of study. The student is required to complete the five required and two elective courses with a grade of a “C” or higher for each class.

Required Courses:

COURSE	TITLE	SEM/YR	HOURS	GRADE
CPI 101	Introduction to Informatics			
CPI 200	Mathematical Foundations of Informatics			
STP 226	Elements of Statistics *			
CPI 310	Information and Data Management			
CPI 360	Informatics and Decision Making			

PLEASE CHOOSE TWO OF THE FOLLOWING SEVEN COURSES **:

COURSE	TITLE	SEM/YR	HOURS	GRADE
ART 345	3D Visualization and Rapid Prototyping			
BIO 345	Intro to Computational Molecular Biology			
CPI 400	Scientific Computing and Visualization			
CPI 420	Technology and Society			
CPI 430	Social Simulation			
ENG 374	Technical Editing			
GPH 370	Geographic Information Technologies			

* Please consult an SCI advisor about alternative statistics courses

** Certain departments may offer courses which satisfy this elective requirement. Please consult with an SCI advisor for approvals.

Informatics Certificate

The School of Computing and Informatics is now offering an Informatics Certificate. Informatics is defined as the study of the ways in which computer technology can be used to gather, synthesize, store, visualize and interpret information. These skills are critical to a broad range of disciplines. This certificate will be available to students in most disciplines and will provide them with an understanding of the capabilities and technologies of Informatics as it applies to domain specific problems in their field of study. The certificate can also be used as one of the areas of

- concentration for the BIS degree. Students completing this certificate will be able to:
- Understand information management issues and become intelligent users of data management systems
 - Develop, implement and analyze conceptual models with different information science techniques for solving problems
 - Apply mathematical modeling, computing, and visualization techniques and tools to real data in order to present results in a meaningful visual environment
 - Understand ethical and social issues involving information science technology
 - Utilize various information technology resources for making decisions
 - Incorporate information technology to enhance their communication effectiveness
 - Write simple programs in a high level programming language

More Information

For more information on the Informatics certificate, students can make an appointment with an advisor by calling the SCI Advising Center at 480-965-3199, sending an email to sci.advising@asu.edu or visiting <http://sci.asu.edu/>

NOTE: The certificate is approved for all non-computer related majors.

Required Courses

(All students must take the following courses)

- CPI 101: Introduction to Informatics (3) (CS)
- CPI 200: Mathematical Foundations of Informatics (3) (MA)
- CPI 310: Information and Data Management (3)
- CPI 360: Informatics and Decision Making (3)
- STP 226: Elements of Statistics (3) *

*Please consult an SCI advisor about alternate statistics courses

Elective Courses

(Students must select two from the following list) *

- ART 345 3D Visualization and Rapid Prototyping (3)
- BIO 355 Introduction to Computational Molecular Biology (3)
- CPI 400: Scientific Computing and Visualization (3)
- CPI 420: Technology and Society (3)
- CPI 430: Social Simulation (3)
- ENG 374 Technical Editing (3)
- GPH 370 Geographic Information Technologies (3)

*Certain departments may offer courses which could satisfy this elective requirement. Please consult with an SCI advisor for approvals.

HISTORY & PHILOSOPHY OF SCIENCE
College of Liberal Arts & Sciences
2008-2009
Life Sciences C-Wing, Room 206, Ph: 480.727.6277

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

The program is designed to give students an understanding of both traditional philosophic issues surrounding science and the historical development of concrete scientific theories and ideas. The philosophic questions (of the belief-worthiness and interpretation of scientific claims as well as norms within or about science) both enrich and are enriched by their combination with historical study. Such philosophic and historical study will also often include the examination of contemporary sciences and their place within the larger society.

- I. Part 1 – 3 Hours (choose one)
 - PHI 314 – Philosophy of Science
 - HPS 314 - Philosophy of Science
- II. Part 2 – 9 Hours
 - HPS - (any 100, 200, 300 or 400-level courses)
- III. Part 3 – 6 Hours
 - HPS – (any HPS course)
 - PHI 103 - History of Ancient Philosophy
 - PHI 302 – History of Modern Philosophy
 - PHI 312 – Theory of Knowledge
 - PHI 315 - Philosophy of Language
 - PHI 316 - Metaphysics
 - PHI 317 - Philosophy of Mind
 - PHI 319 - Philosophy of Computing
 - PHI 325 - Philosophy of Social Science
 - PHI 333 - Introduction to Symbolic Logic
 - PHI 401 - Rationalism
 - PHI 402 - Empiricism
 - PHI 403 - Contemporary Analytic Philosophy
 - PHI 413 - Advanced Symbolic Logic
 - PHI 420 - Topics in Philosophy

What you'll see on your DARS:

--> NEEDS: 18.00 HOURS 3 SUB-GROUPS

- 1) PART 1 - 3 hours
 NEEDS: 3.00 HOURS
 COURSE LIST: HPS 314 OR PHI 314

- 2) PART 2 - 9 hours
 NEEDS: 9.00 HOURS
 COURSE LIST: HPS

- 3) PART 3 - 6 hours
 NEEDS: 6.00 HOURS
 COURSE LIST: HPS PHI 103 PHI 301 PHI 302 PHI 312
 PHI 315 PHI 316 PHI 317 PHI 319 PHI 325 PHI 333
 PHI 401 PHI 402 PHI 403 PHI 413 PHI 420

History and Culture
School of Applied Arts and Sciences, Polytechnic Campus
2008-2009
Location: Bell Hall Room J6 Ph: 480-727-1333

Description:

The concentration in History and Culture at Arizona State University encourages students to develop their historical awareness, and their ability to use historical knowledge to make informed decisions. The program stresses cultural and information literacy. It encourages the study of historical events in their cultural context, and stresses the role of media and technology in historical study.

BIS Concentration (18-21 hours)

- HTY 301 (3 semester hours)
- 9 semester hours of focus-area courses in their chosen track
- 6-9 semester hours of electives

I. Core – 3 Hours**II. Focus Area – 9 Hours (From ONE Area)**

- **Archival Preservation and Digital Media**
 - GIT 294 Introduction to Digital Photography
 - GIT 303 Digital Publishing
 - HTY 220 Introduction to Digital Archives
 - HTY 230 Introduction to Corporate Archiving
 - HTY 334 Archival Preservation and Digital Media
 - HTY 336 Editing Historical Documents
 - HTY 370 History of Collecting
 - HTY 410 Historic Preservation
- **Environmental History and Culture**
 - HST 319 U.S. Urban History
 - HTY 320 History of American Agriculture
 - HTY 326 History of Landscaping
 - HTY 350 Environmental History
 - HTY 374 Western Rivers
 - HTY 440 The Pre-Modern City
 - HTY 450 History of Ecology and Conservation
 - PHI 327 Environmental Philosophy
- **History and Culture of the American Southwest**
 - HST 293 Historical Themes in Latin America
 - HST 305 Studies in Latin American History
 - HST 329 Women in 20th-Century U.S. West
 - HST 330 Mexican Women in the United States: Conquests and Migrations
 - HST 331 Mexican-American History to 1900
 - HST 332 Mexican-American History Since 1900
 - HST 337 American Indian History to 1900

- HST 338 American Indian History Since 1900
- HST 341 U.S. West, 19th Century
- HST 342 U.S. West, 20th Century
- HST 417 Topics in Mexican American History
- **History and Philosophy of Science and Technology**
 - HTY 310 History of Technology
 - HTY 312 History of Science
 - HTY 314 History of Computing
 - HTY 316 History of Engineering
 - HTY 320 History of American Agriculture
 - HTY 325 History of American Business
 - HTY 326 History of Landscaping
 - HTY 330 History of Printing and Media
 - HTY 340 Exploration and Science
 - HTY 350 Environmental History
 - HTY 360 Women in Science
 - PHI 306 Applied Ethics
 - PHI 314 Philosophy of Science
- **History and Public Policy**
 - HST 109 The United States to 1865
 - HST 110 The United States Since 1865
 - HST 210 American Social History
 - HST 315 Political History of the United States
 - HST 320 U.S. Urban History Since 1850
 - HST 325 Immigration and Ethnicity in the United States
 - HST 342 The U.S. West in the 20th Century
 - HST 484 Internship
 - POS 220 Political Issues and Public Policy
 - POS 310 American National Government
 - POS 325 Public Policy Development
 - POS 426 Elements of Public Policy
- **History for Secondary Teachers**
 - HST 101 Global History
 - HST 102 Western Civilization
 - HST 103 Western Civilization
 - HST 104 Western Civilization
 - HST 109 United States to 1865
 - HST 110 United States Since 1865
 - HST 210 American Social History
 - HST 313 American Cultural History to 1865
 - HST 314 American Cultural History Since 1865
 - HST 325 Immigration and Ethnicity
 - HST 337 American Indian History to 1900
 - HST 338 American Indian History Since 1900
 - HST 341 U.S. West, 19th Century
 - HST 342 U.S. West, 20th Century
 - REL 100 Religions of the World

III. Related Electives – 6 Hours

- **Archival Preservation and Digital Media**
 - ARD
 - ARS
 - ART
 - GIT
 - HST

- HTY
- TWC
- **Environmental History and Culture**
 - ABS
 - AGB
 - BIO
 - HST
 - HTY
 - STS
- **History and Culture of the American Southwest**
 - AIS
 - CCS
 - HST
 - HTY
- **History and Philosophy of Science and Technology**
 - ABS
 - GIT
 - HST
 - HTY
 - PHI
 - STS
- **History and Public Policy**
 - HST
 - HTY
 - PVG
 - PLS
 - POS
 - STS
- **History for Secondary Teachers**
 - ASB
 - ECN
 - GCU
 - GPH
 - HST
 - HTY
 - PGV
 - POL
 - POS
 - REL
 - SOC
 - STS

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS 3 SUB-GROUPS

- 1) CORE - 3 hours
 NEEDS: 3.00 HOURS
 COURSE LIST: HTY 301(R)

- 2) FOCUS AREA COURSES - 9 hours
 NEEDS: 9.00 HOURS

- 3) RELATED ELECTIVES - 6 HOURS
 NEEDS: 6.00 HOURS

HISTORY
New College of Interdisciplinary Arts & Sciences
2008-2009
West Campus
FAB, Room N204, Ph: 602.543.6090

18 HOURS, MINIMUM 12 UPPER DIVISION
MINIMUM C (2.00) GRADE

Description:

The minor in History consists of 18 semester hours of history course work with a grade of "C" or better, of which six semester hours may be lower division.

I. Two-Semester Survey 6 Hours (2 courses):

a. European or World History: US

Choose one from:

AMS 310 –History of American Systems to 1865

AMS 320 –American Cultural History I

HIS 103 – The United States

HST 109 – The United States to 1865

HIS 303 – American Cultures I

HST 313 – American Cultural History to 1865

HIS 305 – American Systems I

Choose one from:

AMS 311 – History of American Systems Since 1865

AMS 321 – American Cultural History II

AMS 330 – Introduction to American Lives

HIS 104 – The United States

HST 110 – The United States Since 1865

HIS 304 – American Cultural History II

HST 314 – American Cultural History Since 1865

HIS 306 - History of American Systems Since 1865

b. European or World History: European

HIS 355 – Europe and the World I

HIS 356 – Europe and the World II

c. European or World History: World

HST 102 – Western Civilization

HIS 101 – Western Civilization

HST 103 – The United States

HIS 102 – Western Civilization

HST 104 – Western Civilization

II. Historical Methods – 3 Hours

HST 300 - Historical Methods

III. Electives – 9 Hours

See an advisor for approved list

What you'll see on your DARS:

--> NEEDS: 18 Hours

3 SUB-GROUPS

- 1) Two-Semester Survey in U.S., European or World History - 6 Hours Lower or Upper Division
U.S.:
NEEDS: 2 COURSES
COURSE LIST: CHOOSE ONE: AMS 310 AMS 320 HIS 103 OR
M HST 109 HIS 303 OR M HST 313 HIS 305
AND ONE FROM: AMS 311 AMS 321 AMS 330 HIS 104
OR M HST 110 HIS 304 OR M HST 314 HIS 306

- OR) Two-Semester Survey in U.S., European, or World History - 6 Hours Lower or Upper Division
NEEDS: 2 COURSES
COURSE LIST: EUROPEAN: HIS 355 HIS 356

- OR) Two-Semester Survey in U.S., European, or World History - 6 Hours Lower or Upper Division
NEEDS: 2 COURSES
COURSE LIST: WORLD: HIS 100 OR M HST 102 HIS 101 OR
M HST 103 HIS 102 OR M HST 104

- 2) Historical Methods - 3 Hours
NEEDS: 1 COURSE
-> NOT FROM: HST 300
COURSE LIST: HIS 300(R)

- 3) History Electives - 9 Hours
Approval by History Advisor Required
NEEDS: 9.00 HOURS

HISTORY Concentration
College of Liberal Arts & Sciences
2008-2009
Coor Hall 4591, ph: (480) 965-8364

Requirements:

A Bachelor of Interdisciplinary Studies (B.I.S.) concentration in history consists of 18 total semester hours of course work, of which at least 12 hours are upper division (300-499). Students are also required to complete 12 hours within one of four different geographic concentrations. A grade of “C” (2.00) or better is required for all courses in the B.I.S. concentration with a minimum GPA of 2.00 in history course work. A minimum of six upper division hours must be taken at the Tempe campus.

Geographic concentrations:

- United States (US)
- Europe (EU)
- Asia (AS)
- Latin America (LA)

HST 300 and 498:

Students seeking a B.I.S. concentration in history must contact a history advisor to get clearance to take either HST 300 or HST 498. These courses are ordinarily reserved for majors only and are not required of B.I.S. students.

- HST 300, prerequisites: ENG 102 and junior standing.
- HST 498, prerequisites: HST 300 and senior standing.

What you will see on your DARS:

Check back soon—information not yet available!

HEALTHCARE INNOVATION
 College of Nursing & Healthcare Innovation
 2008-2009
 Downtown, Ph: (602) 496-0888

The BIS concentration in Health Care Innovation provides students at ASU an opportunity to prepare for a position in the health care industry. This concentration can be paired with any other concentration such as Business, Communications, Social Work, Therapeutic Recreation, Psychology, Biology, Chemistry, Kinesiology, etc.

A variety of students might benefit from having a Bachelor of Interdisciplinary Studies degree with a Health Care Innovation Concentration:

- pre-nursing students
 - unable to meet the admission standard for the College of Nursing & Healthcare Innovation Upper Division Nursing Program
 - undecided about nursing as a career, but might be interested in the health care field
- Exploratory students
- Students seeking to change their major

The Healthcare Innovation Concentration requires six (6) courses for a total of 18 credits. At least four (4) of these classes must be upper-division. A minimum grade of "C" is required for all courses. For advice on the program, please contact the College of Nursing & Healthcare Innovation Student Services Office: phone: (602) 496-0888; email: nur@asu.edu.

**COURSE REQUIREMENTS FOR
 CONCENTRATION IN HEALTHCARE INNOVATION**

Required Course	Title	Credit Hours	Semester Taken	Grade
HCR 220	Health Care Organizations	3		
HCR 230	Culture and Health	3		
HCR 394	Special Topics	3		
UD from list		3		
UD from list		3		
UD from list		3		
Total Hours		18		

Electives to be chosen from the following:

- ABS 301 Technology and Biology
- ABS 302 Ethical and Policy Issues in Biology
- AFR 317 Genes, Race, and Society.
- ASB 353 Death and Dying in Cross-Cultural Perspective
- ASB 355 Shamanism, Healing, and Consciousness
- ASB 462 Medical Anthropology: Culture and Health
- ASB 353 Death and Dying in Cross-Cultural Perspective
- BUA 330 Organizational Leadership.
- CDE 337 Early Childhood Intervention
- CDE 338 Child Development Practicum
- CDE 430 Infant/Toddler Development in the Family
- CDE 437 Infant Family Assessment and Observation
- CDE 444 Risk and Variation in Child Development
- COM 400 CIP: Communication in Professions
- COM 414 Crisis Communication
- COM 353 Professional Communication
- COM 414 Crisis Communication
- COM 417 Communication and Aging
- COM 430 Leadership in Group Communication
- CRJ 461 Domestic Violence
- CSS 335 Latino Health Issues
- ECN 384 Economics of Social Behavior
- EXW 300 Foundations of Exercise and Wellness
- EXW 302 Fundamentals of Wellness
- EXW 311 Special Populations in Exercise and Wellness
- EXW 315 Physiological Foundations of Movement
- EXW 330 Kinesiological Foundations of Movement
- EXW 342 Health Behavior Change
- EXW 350 Substance Abuse and Addictive Behavior
- EXW 380 Body Image and Wellness
- EXW 400 Stress Management for Wellness
- FAS 332 Human Sexuality
- FAS 332 Human Sexuality
- FSM 309 Emergency Medical Service Organization and Management
- GRN 400 Perspectives on Aging
- GRN 420 Health Aspects of Aging
- GRN 430 Multidisciplinary Approaches to Gerontology
- GRN 431 Caregiving
- GRN 440 Aging and Wellness
- GRN 450 Biology of Aging
- GRN 460 Alzheimer's and Related Dementias
- HPS 325 Chinese Science and Medicine
- HPS 330 History of Biology: Conflicts and Controversies
- HPS 331 History of Medicine
- IAS 300 Adult Career Development
- IAS 305 Work and Identity
- IAS 340 Bioethics
- IAS 406 Moral Dilemmas
- IAS 430 Science and Religion
- JUS 329 Domestic Violence
- KIN 334 Functional Anatomy and Kinesiology
- KIN 340 Physiology of Exercise
- KIN 345 Motor and Developmental Learning

- KIN 352 Psychosocial Aspects of Physical Activity
- KIN 450 Biopsychosocial Perspectives on Physical Activity and Health
- KIN 452 Exercise Psychology
- LSC 301 Life Sciences: History and Method
- LSC 361 Human Sexual Biology
- LSC 362 The Human Environment
- LSC 365 The Human Organism
- MGT 380 Management and Strategy for Nonmajors
- MIC 302 Advanced Bacteriology Laboratory
- MIC 380 Medical Parasitology
- NTR 340 Applications in Human Nutrition
- NTR 341 Introduction to Planning Therapeutic Diets
- NTR 344 Nutrition Services Management
- NTR 345 Development of Healthy Cuisines
- NTR 346 Sports Nutrition
- NTR 348 Cultural Aspects of Food
- NTR 350 Nutrition Counseling
- NTR 351 Nutrition and Health Communications
- NTR 448 Community Nutrition
- NTR 450 Nutrition in the Life Cycle I
- NTR 451 Nutrition in the Life Cycle II
- PGS 306 Environmental Psychology
- PGS 350 Social Psychology
- PGS 365 Community Psychology
- PGS 427 Psychology of Aging
- PGS 462 Health Psychology
- PGS 465 Psychology of Stress and Coping
- PGS 304 Effective Thinking
- PGS 306 Environmental Psychology
- PGS 344 Directed Child Study
- PGS 427 Psychology of Aging
- PGS 443 Abnormal Child Psychology
- PHI 306 Applied Ethics
- PHI 314 Philosophy of Science
- PHI 316 Metaphysics
- PHI 317 Philosophy of Mind
- PHI 320 Bioethics
- PHI 333 Introduction to Symbolic Logic
- PHI 306 Applied Ethics
- PHI 340 Bioethics
- PHI 406 Moral Dilemmas
- REC 364 Foundations of Therapeutic Recreation
- REL 381 Religion and Moral Issues
- RTM 302 Recreation and Tourism for Diverse Populations
- RTM 345 Team Building Strategies
- RTM 450 Leisure and Aging
- RTM 451 Grant Writing for Human Service Professionals
- SBS 461 Program Evaluation and Policy Research
- SHS 310 Anatomical and Physiological Bases of Speech
- SHS 350 Brain Memory and Language
- SHS 367 Language Science
- SOC 334 Technology and Society
- SOC 417 Family Violence
- SOC 418 Aging and the Life Course
- SOC 424 Women and Health

- SOC 427 Sociology of Health and Illness
- SOC 448 Epidemics and Society
- SOC 353 Death and Dying in Cross-Cultural Perspective
- SOC 400 Perspectives on Aging
- SOC 418 Aging and the Life Course
- WST 360 Women as Healers
- WST 460 Women and the Body
- WST 477 Women and Violence

HAZARDOUS MATERIALS & WASTE MANAGEMENT
College of Science and Technology
2008-2009
480.727.1202

Description:

The concentration in Hazardous Materials and Waste Management is designed to provide current and prospective employees of industry and government with a comprehensive and practical curriculum of study in hazardous materials management. The concentration program features instruction by ASU faculty, attorneys, and professionals who work in the specific area in which they teach.

I. Core – 15 Hours

ETM 401 - Hazardous Waste Management

OR

ETM 501 - Principles of Hazardous Materials and Waste Management

ETM 494 - Special Topics

OR

ETM 502 - Regulatory Framework for Toxic and Hazardous Substances

ETM 503 - Principles of Toxicology

ETM 504 - Technology for Storage, Treatment, and Disposal of Hazardous Materials

ETM 505 - Quantitative Analysis and Practical Laboratory Techniques

II. Electives – 6 Hours

ETM 402 - Unit Treatment Technologies

ETM 406 - Environmental Chemistry

ETM 407 - Occupational Hygiene

ETM 424 - Comprehensive Emergency Management

ETM 426 - Environmental Issues

ETM 428 - International Environmental Management

ETM 506 - Chemistry of Hazardous Materials

ETM 507 - Industrial Hygiene

ETM 494 - Special Topics

IST 494 - Special Topics

ETM 522 - Air Pollution and Toxic Chemicals

ETM 523 - Soils and Groundwater Contamination

ETM 524 - Integrated Emergency Management

ETM 525 - Risk Assessment for Hazardous Materials

ETM 526 - Current Environmental Technology Issues

ETM 527 - Environmental/Resources Regulations Concepts

Students may also pursue the Certificate in Hazardous
Materials & Waste Management. See program advisor
for details.

NOTE: Grade of C (2.00) or better required.
Minimum 12 hours upper division.

What you'll see on your DARS:

--> NEEDS: 21 hours

2 SUB-GROUPS

- 1) CORE - 15 hours

NEEDS: 15.00 HOURS

COURSE LIST: ETM 401 OR ETM 501 IST 501

ETM 494 [*REGUL* FRAME] OR ETM 502 IST 502

ETM 494 [*PRIN* TOXIC] ETM 503 ETM 494 [*TECH*]

OR ETM 504 IST 504 ETM 494 [*QUAN*] OR ETM 505
IST 505

- 2) ELECTIVES - 6 hours

NEEDS: 6.00 HOURS

COURSE LIST: ETM 402 ETM 406 ETM 407 ETM 424

ETM 426 ETM 428 ETM 506 ETM 507

ETM 494 [*AIR POL*] IST 494 [*AIR POL*] ETM 522

ETM 494 [*SOILS] IST 494 [*SOILS] ETM 523 ETM 524

ETM 494 [*RISK] IST 494 [*RISK] ETM 525

ETM 494 [*CURRENT] IST 494 [*CURRENT] ETM 526

ETM 494 [*ENVIR*] IST 494 [*ENVIR*] ETM 527

Global Studies
School of Global Studies
2008-2009
West Hall 140, Ph: 480.727.8286

Description:

- The concentration in Global Studies consists of 18 credit hours carrying the SGS prefix.
- 12 of the 18 credit hours must be upper division SGS courses.
 - SGS 101: Principles of Global Studies
 - or**
 - SGS 301: Principles of Global Studies
 - SGS 102
 - SGS 103: Contemporary Global Trends
 - or**
 - SGS 303: Contemporary Global Trends
- The student must earn at least a C (2.00) in a course for credit hours to be counted toward the minor.
- 12 of the 18 credit hours must be taken at the ASU Tempe Campus to meet Residence requirement.

GERMAN
College of Liberal Arts & Sciences
2008-2009
Language and Literature, Room 440, Ph: 480.965.6281

NOTES FOR MINOR and BIS EMPHASIS AREA:

- A grade of C or better must be achieved in all courses to be counted toward the minor or BIS emphasis area.
- A minimum of 6 upper-division hours in the minor or BIS emphasis area must be taken in residence at ASU Tempe Campus.
- Pass/Fail courses cannot be used for the minor or BIS emphasis area.
- Only 6 credits of 200-level GER German courses are applicable to the minor or BIS emphasis area.
- GER 202 is a prerequisite for GER 311, GER 312 and GER 313
- Course substitutions are permitted for heritage speakers and other advanced speakers of German.
- GER 319, when offered, also applies to the German minor.

I. Core - 6 hours

GER 311 - German Conversation
OR

GER 312 - German Conversation
GER 313 - German Composition

II. 400-level - 3 hours

GER 4

III. Electives - 9 hours

GER 201 - Intermediate German I
GER 202 - Intermediate German II
GER 3
GER 4

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS

- 1) CORE - 6 hours
NEEDS: 6.00 HOURS
COURSE LIST: GER 311 OR GER 312 GER 313

- 2) 400-LEVEL - 3 hours
NEEDS: 3.00 HOURS
COURSE LIST: GER 4

- 3) ELECTIVES - 9 hours
Maximum of 6 hours allowed from 200-level courses
NEEDS: 9.00 HOURS
-> NOT FROM: GER 311 GER 312
COURSE LIST: GER 201 GER 202 GER 3 GER 4

GEOLOGICAL SCIENCES
College of Liberal Arts & Sciences
2008-2009
Schwada Building, Room 131, Ph: 480.965.3652

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

I. Core - 15 Hours

GLG 101 - Introduction to Geology I (Physical)
GLG 102 - Introduction to Geology II (Historical)
GLG 103 - Introduction to Geology I-Laboratory
GLG 104 - Introduction to Geology II-Laboratory
GLG 310 - Structural Geology
GLG 321 - Mineralogy
GLG 400 - Geology Colloquium

II. Upper Division Electives - 6 Hours

GLG 3 - any GLG 300-level course (not GLG 300)
GLG 4 - any GLG 400-level course (not GLG 400)

What you'll see on your DARS:

- > NEEDS: 21.00 HOURS 2 SUB-GROUPS
- 1) CORE - 15 hours
 NEEDS: 15.00 HOURS
 COURSE LIST: GLG 101(R) GLG 103(R) GLG 102(R)
 GLG 104(R) GLG 310(R) GLG 321(R) GLG 400(R)

 - 2) UPPER DIVISION ELECTIVES - 6 hours
 NEEDS: 6.00 HOURS
 -> NOT FROM: GLG 300 GLG 400
 COURSE LIST: GLG 3 GLG 4

GEOGRAPHY
College of Liberal Arts & Sciences
2008-2009
Schwada Building, Room 131, Ph: 480.965.3652

Description:

- The Geography area of concentration requires 18 semester hours of which a minimum of 12 hours must be upper division.
- A letter grade of C or better is required for all courses taken in the area of concentration.
- The remaining courses needed to complete the 18 hour requirement are selected in conjunction with an advisor. At least one course should be a geographic skill, for example map reading (GPH 271), cartography (GPH 371), air photo interpretation (GPH 372), geographic field methods (GPH 491), or a class in geographic information systems (for example, GPH 471). At least 12 hours should be upper division classes in human, physical, or regional geography.
- A minimum of six upper-division hours in the concentration must be taken in residence at ASU Main.

I. Core - 6 to 7 hours

- GCU 102 - Introduction to Human Geography
 - GPH 111 - Introduction to Physical Geography
- OR
- GPH 411 - Physical Geography

II. Electives - 12 hours

GCU - any GCU course
GPH - any GPH course

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

- > NEEDS: 18.00 HOURS 2 SUB-GROUPS
- 1) CORE - 6 to 7 hours
 NEEDS: 6.00 HOURS
 COURSE LIST: GCU 102(R) GPH 111 OR GPH 411
 - 2) ELECTIVES - 12 hours
 NEEDS: 12.00 HOURS

COURSE LIST: GCU GPH

GEOGRAPHY FOR BUSINESS
College of Liberal Arts & Sciences
2008-2009
Schwada Building, Room 131, Ph: 480.965.3652

Description:

- The Geography for Business area of concentration requires 19 semester hours of which a minimum of 12 semester hours must be upper division.
- A letter grade of C or better is required for all courses taken in the area of concentration.
- A minimum of six upper-division hours in the concentration must be taken in residence at ASU Main.

I. Part 1 – 6 hours

- GCU 141 - Introduction to Economic Geography
- GPH 373 - Geographic Information Science I

II. Part 2 – 6 hours (choose two)

- GCU 361 - Urban Geography
- GCU 441 - Economic Geography
- GCU 442 - Geographical Analysis of Transportation
- GCU 444 - Geographic Studies in Urban Transportation

III. Part 3 – 3 hours (choose one)

- GCU 323 - Geography of Latin America
- GCU 325 - Geography of Europe
- M GCU 326 - Geography of Asia

IV. Part 4 – 3 hours (choose one)

- GCU 351 - Population Geography
- GCU 364 - Energy in the Global Arena
- GPH 473 - Geographic Information Science II

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS 4 SUB-GROUPS

- 1) PART 1 - 6 hours
 NEEDS: 6.00 HOURS
 COURSE LIST: GCU 141(R) GPH 373(R)
- 2) PART 2 - 6 hours
 NEEDS: 6.00 HOURS

COURSE LIST: GCU 361 GCU 441 GCU 442 GCU 444

- 3) PART 3 - 3 hours

NEEDS: 3.00 HOURS

COURSE LIST: GCU 323 GCU 325 GCU 326

- 4) PART 4 - 3 hours

NEEDS: 3.00 HOURS

COURSE LIST: GCU 351 GCU 364 GPH 473

GEOGRAPHIC INFORMATION SCIENCE
College of Liberal Arts and Sciences
2008-2009
SCOB 330, Ph: 480.965.7533

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.
Minimum 12 hours in residency at Tempe campus.

I. Core - 16 hours

CSE 100 - Principles of Programming with C++ CS
OR

CSE 110 - Principles of Programming with Java
GCU 495 - Quantitative Methods in Geography CS
GPH 370 - Geographic Information Technologies CS
GPH 373 - Geographic Information Science I CS
GPH 473 - Geographic Information Science II CS

II. Electives - 3 Hours

ABS 485 - GIS in Natural Resources
CSE 181 - Applied Problem Solving with Visual BASIC
GCU 361 - Urban Geography SB
GCU 442 - Geographical Analysis of Transportation SB
GCU 474 - Public Land Policy
GCU 484 - Internship
GPH 371 - Introduction to Cartography and Georepresentation CS
GPH 372 - Air Photo Interpretation
GPH 471 - Geographics: Interactive and Animated Cartography and Geovisualization CS
GPH 481 - Environmental Geography
GPH 483 - Geographic Information Analysis
GPH 484 - Internship: GIS-Based
PLB 434 - Landscape Ecological Analysis and Modeling

What you'll see on your DARS:

--> NEEDS: 19.00 HOURS 2 SUB-GROUPS

- 1) CORE - 16 hours
NEEDS: 16.00 HOURS
COURSE LIST: CSE 100 OR CSE 110 GCU 495 GPH 370
GPH 373 GPH 473

- 2) ELECTIVES - 3 hours
NEEDS: 3.00 HOURS
COURSE LIST: ABS 485 CSE 181 GCU 361 GCU 442
GCU 474 GCU 484 GPH 371 GPH 372 GPH 471 GPH 481
GPH 483 GPH 484 PLB 434

FRENCH
College of Liberal Arts & Sciences
2008-2009
Language and Literature, Room 440, Ph: 480.965.6281

NOTES FOR BIS EMPHASIS AREA:

- A grade of C or better must be achieved in all courses to be counted toward the minor or BIS emphasis area.
- A minimum of 6 upper-division hours in the minor or BIS emphasis area must be taken in residence at ASU Tempe Campus.
- Pass/Fail courses cannot be used for the minor or BIS emphasis area.
- No lower-division (100- or 200-level) courses are applicable to the minor or BIS emphasis area.
- The pre-requisite for FRE 205, FRE 311 and FRE 312 is FRE 202.
- Course substitutions are permitted for heritage speakers and other advanced speakers of French.

I. Core – 9 hours

FRE 311 - French Conversation
FRE 312 - French Composition
FRE 321 - French Literature (Middle Ages-18th Century)
OR

FRE 322 - French Literature (19th and 20th Centuries)

II. 400-Level – 3 hours

FRE 4 – any 400 level FRE class

III. Electives – 6 hours

FRE 3 - any 300 level FRE class
FRE 4 - any 400 level FRE class, not used above

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 18 upper division hours required.

--> NEEDS: 18.00 HOURS

- 1) CORE - 9 hours
NEEDS: 9.00 HOURS
COURSE LIST: FRE 311 FRE 312 FRE 321 OR FRE 322

- 2) 400-LEVEL - 3 hours
NEEDS: 3.00 HOURS
COURSE LIST: FRE 4

- 3) ELECTIVES - 6 hours
NEEDS: 6.00 HOURS
COURSE LIST: FRE 3 FRE 4

FOOD & NUTRITION MANAGEMENT
ASU Polytechnic: East College
2008-2009
HSC 1386, (480) 727-1728

Description:

The program is designed to provide students with an understanding of the food industry and the ability to apply nutrition principles to food production. Students will be able to manage and market food, along with the ability to develop a food or menu that meets a specific nutrition guideline.

Required Classes - 18 semester hours:

- NTR 100 - Introduction to Nutrition* or NTR 241 Human Nutrition* (3)
- NTR 142 - Applied Food Principles** (3)
- NTR 300 - Computer Applications in Nutrition (3)
- NTR 343 - Food Service Purchasing (3)
- NTR 344 - Nutrition Services Management (3)
- NTR 445 - Quantity Food Production (3)

*- Available courses on both Polytechnic and Tempe campus

**- Must get advisor approval before enrolling

I. Concentration Core – 18 Hours

- NTR 100 - Introduction to Nutrition
OR
- NTR 241 - Human Nutrition
- NTR 142 - Applied Food Principles
- NTR 300 - Computer Applications in Nutrition
- NTR 343 - Food Service Purchasing
- NTR 344 - Nutrition Services Management
- NTR 445 - Quantity Food Production

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS 1 SUB-GROUP

- 1) CONCENTRATION CORE - 18 hours
NEEDS: 18.00 HOURS
COURSE LIST: NTR 100 OR NTR 241 NTR 142 NTR 300
NTR 344 NTR 343 OR NTR 442 NTR 445

Film & Video Studies: Media & Video Studies
New College of Interdisciplinary Arts & Sciences
2008-2009
Ph: (602) 543-6052

Description:

For more information please call 602.543.6052

Select 2 from the following:

- COM 324 - Rhetoric and Media Criticism
- IAP 351 - Concept, Image, and Text
- IAP 465 - Media Technologies and the Arts
- SOC 365 - Sociology of Mass Communication

Select 4 from the following:

- COM 324 - Rhetoric and Media Criticism
- COM 329 - Persuasion
- COM 421 - Rhetoric of Social Issues
- COM 429 - Semiotics and Visual Communication
- ENG 451 - History of Film
- IAP 322 - Multitrack Digital Recording
- IAP 334 - Conceptual Development in the Arts
- IAP 351 - Concept, Image, and Text
- IAP 361 - Digital Editing and Media Literacy
- IAP 363 - Sound, Image, and Media
- IAP 364 - Documentaries
- IAP 365 - Digital Interactivity
- IAP 466 - Digital Interactivity, Advanced
- IAP 467 - Acoustic Ecology
- IAP 474 - Art and Film
- SOC 364 - Popular Culture
- SOC 365 - Sociology of Mass Communication
- SOC 366 - Film and Society
- THE 300 - Film: The Creative Process
- THE 394 - ST: Acting for the Camera OR ST: Television Production
- THE 400 - Focus on Film
- WST 431 - Women and Film

FILM AND VIDEO STUDIES
FILM STUDIES EMPHASIS
COLLEGE OF ARTS AND SCIENCES
2008-2009
West Campus
FAB, Room N290C, Ph: 602.543.6052

Description

The concentration in Film and Video Studies explores theory and practice in the general field of the moving image. This interdisciplinary program provides students an opportunity to develop interests, skills, and knowledge of the forms, channels, technologies, and histories of the media arts. Students may pursue focused interests in film studies or adopt a more generalized approach to visual media through television, film, and video. The program is useful to students who may pursue careers in broadcasting, writing, and public relations, as well as degrees in production, film studies, media studies, performance studies, and communication studies. Courses in the concentration in Film and Video Studies are designed to:

- Develop astute and discriminating critics and analysts of film and media arts,
- Strengthen critical thinking through an awareness of the philosophical, aesthetic, political, and technological debates in film, media, and video studies,
- Develop knowledge of the history of film, television, and the video arts as dynamic forces of social, cultural, and political expression, and
- Develop practical skills that enable students to be competitive in film, video, television, and media-related production industries.

All students interested in Film and Video Studies must meet with an advisor in Film and Video Studies at the West campus prior to declaring this concentration.

I. Foundational – 6 Hours (2 Courses)

CMN 324 - Rhetoric and Media Criticism
IAP 351 - Concept, Image, and Text
IAP 465 - Media Technologies and the Arts
SOC 365 - Sociology of Mass Communication

II. Theoretical, Critical, Performance, Production – 12 Hours (4 Courses)

CMN 329 – Persuasion
CMN 324 - Rhetoric and Media Criticism
COM 421 - Rhetoric of Social Issues
OR
CMN 421 - Rhetoric of Social Issues
CMN 429 - Semiotics and Visual Communication
ENG 365 - History of Film
IAP 322 - Multitrack Digital Recording
IAP 334 - Conceptual Development in the Arts
IAP 351 - Concept, Image, and Text
IAP 361 - Digital Editing and Media Literacy
IAP 363 - Sound, Image, and Media

IAP 364 - Documentaries
 IAP 365 - Digital Interactivity
 IAP 465 - Media Technologies and the Arts
 IAP 466 - Digital Interactivity, Advanced
 IAP 467 - Acoustic Ecology
 IAP 474 - Art and Film
 SOC 364 - Popular Culture
 SOC 365 - Sociology of Mass Communication
 SOC 366 - Film and Society
 THE 394 - Special Topics
 THE 400 - Focus on Film
 WST 431 - Women and Film

III. Capstone - 3 Hours (1 Course)

What you'll see on your DARS:

 21 Hours, 15 Upper Division

--> NEEDS: 21.00 HOURS 3 SUB-GROUPS

- 1) Foundational - 2 Courses
 NEEDS: 2 COURSES
 COURSE LIST: COM 324 [*RHET*MEDIA*] OR
 CMN 324 [*RHET*MEDIA*] IAP 351 IAP 465 SOC 365

- 2) Theoretical, Critical, Performance, Production
 4 Courses from the list below or as approved by
 an Academic Advisor
 NEEDS: 4 COURSES
 COURSE LIST: COM 329 OR CMN 329 COM 324 [*RHET*MEDIA*]
 OR CMN 324 [*RHET*MEDIA*] COM 421 OR CMN 421
 COM 429 OR CMN 429 ENG 365 IAP 322 IAP 334
 IAP 351 IAP 361 IAP 363 IAP 364 IAP 365 IAP 465
 IAP 466 IAP 467 IAP 474 SOC 364 SOC 365 SOC 366
 THE 300 THE 394 [*ACT*CAM] THE 394 [*TEL*PROD]
 THE 400 WST 431

- 3) Capstone Project
 NEEDS: 1 COURSE
 COURSE LIST: IAP 480

FILM AND MEDIA STUDIES
College of Liberal Arts and Sciences
2008-2009
Durham Language and Literature 641, Ph: 480.965.6747

Description:

The Film and Media Studies concentration consists of 18 credit hours. Of the 18 credit hours, 12 credit hours are upper division courses.

Required courses include:

- FMS 100 - Introduction to Film (HU)
- FMS 200 - Film History (HU)
- FMS 300 - Media and Cultural Studies (HU/L)
- Plus three upper division courses from the areas of emphasis course list Media and Society, Media Industries, Styles and Genres or Screenwriting.

FILM AND MEDIA PRODUCTION
School of Theatre and Film
Phone: 480/965-5337
Email: theatre@asu.edu, theatrefilm@asu.edu, or film@asu.edu
Location: GHALL 232

Description

As a student pursuing this concentration, you will study the basic production processes of film while exploring its history and contemporary social issues.

Program Requirements

The school offers a BIS concentration in Film and Media Production consisting of 18 semester hours of course work.

The following courses are required:

- FMP 201 Film: The Creative Process I HU (3)
- FMP 250: Sex and Violence in Film and TV: Ethics Survey (3)
- FMP 300: Focus on Film: Film Production, Part 1 (3)
- THE 403: Independent Film (3)

Upper division elective in FMP, THP, or THE related to film and media production (6 credits)

All prerequisites for the concentration courses must be met (see course listings). Transfer students may transfer up to six semester hours toward their minor. A grade of C (2.00) or higher is required for all courses in the concentration.

Contact the Herberger College of the Arts advising office for information:
<http://theatrefilm.asu.edu/students/current/undergrad-minors.php>.

 NOTE: Grade of "C" (2.00) or better required.

--> NEEDS: 18.0 HOURS 2 sub-groups

- 1) CORE - 12 hours
 NEEDS: 12.0 HOURS
 COURSE LIST: FMP 201 FMP 250 FMP 300 THE 403
- 2) Electives - 6 hours upper division
 NEEDS: 6.0 HOURS
 COURSE LIST: FMP THE OR THP

FAMILY STUDIES/CHILD DEVELOPMENT Concentration
College of Liberal Arts & Sciences
2008-2009
Social Sciences 114, Ph: (480) 965-6978

NOTE: FAS 331 is cross-listed with SOC 315, students cannot receive for both courses.

Description:

The concentration in family and human development consists of 18 credit hours in which students specialize in family studies/child development. At least 12 of the 18 credit hours must be in upper-division courses. Courses must be completed with grades of C or better.

I. Core—9 credits (all required):

- o CDE 232 - Human Development
- o FAS 331 - Marriage and Family Relationships
- o FAS 370 - Family Ethnic & Cultural Diversity

II. Electives—9 credits (one course must be a CDE course) :

- o CDE 337 - Early Childhood Intervention
- o CDE 430 - Infant/Toddler Development in the Family
- o CDE 444 - Risk and Variation in Child Development
- o CDE 498 - Topic: (Language Development & Psychology)
- o FAS 431 - Parent-Adolescent Relationships
- o FAS 440 - Fundamentals of Marriage and Family Therapy
- o FAS 498 - Topic: (Conflict Resolution, Work & Society, Deviant Behavior, and Popular Black Media/ Adolescence)

What you will see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) CORE - 9 hours
NEEDS: 9.00 HOURS
COURSE LIST: CDE 232(R) FAS 331(R) FAS 370(R)

- 2) ELECTIVES - 9 hours
NEEDS: 9.00 HOURS
COURSE LIST: CDE 337 CDE 430 CDE 444 CDE 498
FAS 431 FAS 440 FAS 498

EXERCISE AND WELLNESS
School of Applied Arts and Sciences- Polytechnic Campus
2008-2009
480.727.1932

Description:

Promoting healthy lifestyles is a key component of a prosperous global society and is important for an individual's day-to-day health and wellbeing. Regular physical activity is the best prescription known to reduce the risks of many chronic diseases and disabling conditions and it is effective in improving mental health and physical function as one ages. The need for qualified, educated professionals in the areas of exercise and wellness and healthy lifestyle promotion is growing. Exercise and Wellness will provide you with the tools you need to find a successful career promoting healthy lifestyles.

I. Core - Needs 12 Hours

EXW 300 - Foundations of Exercise and Wellness
EXW 325 - Fitness for Life
EXW 342 - Health Behavior Change
EXW 450 - Cultural and Social Issues in Exercise and Wellness

II. Electives - Needs 6 Hours

EXW 100 - Introduction to Health and Wellness
EXW 310 - Computer Skills and Technology for Exercise and Wellness
EXW 311 - Special Populations in Exercise and Wellness
EXW 320 - Program Development and Leadership
EXW 346 - Health Promotion and Program Evaluation
EXW 350 - Substance Abuse and Addictive Behavior
EXW 380 - Body Image and Wellness
EXW 400 - Stress Management for Wellness
EXW 442 - Physical Activity in Health and Disease
EXW 444 - Epidemiology
EXW 460 - Resistance Training Application and Theory
KIN 100 - Introduction to Health and Wellness
NTR 100 - Introductory Nutrition
NTR 241 - Human Nutrition
NTR 340 - Applications in Human Nutrition
NTR 341 - Introduction to Planning Therapeutic Diets
NTR 345 - Development of Healthy Cuisines
NTR 346 - Sports Nutrition
NTR 348 - Cultural Aspects of Food
NTR 350 - Nutrition Counseling
NTR 351 - Nutrition and Health Communications
NTR 450 - Nutrition in the Life Cycle I
NTR 451 - Nutrition in the Life Cycle II

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) CONCENTRATION CORE - 12 hours
 NEEDS: 12.00 HOURS
 COURSE LIST: EXW 300 EXW 325 EXW 342 EXW 450

- 2) CONCENTRATION ELECTIVES - 6 hours
 See department for list of approved courses
 NEEDS: 6.00 HOURS
 COURSE LIST: EXW 100 EXW 280 EXW 310 EXW 311
 EXW 320 EXW 346 EXW 350 EXW 380 EXW 400 EXW 442
 EXW 444 EXW 460 HES 100 KIN 100 KIN 370 NTR 100
 NTR 241 NTR 340 NTR 341 NTR 345 NTR 346 NTR 348
 NTR 350 NTR 351 NTR 450 NTR 451

ETHNIC STUDIES
New College of Interdisciplinary Arts and Sciences
2008-2009
West Campus
Ph: 602.543.6096

21 HOURS, 15 UPPER DIVISION
MAXIMUM 3 HOURS OF INDEPENDENT STUDY
MINIMUM "C" (2.00) GRADE

Description:

Students take courses that introduce a general conceptual framework regarding race and ethnicity and how they intersect in the construction of social formations. Students seeking the concentration in Ethnic Studies complete an internship that is designed to give a hands-on experience working in community-based settings. With an emphasis on service learning that combines the acquisition of analytical skills from classroom instruction and work experience gained through internships, students are placed at a significant advantage to pursue their goals.

I. Core – 6 Hours

ETH 300 - Principles of Ethnic Studies
ETH 484 - Ethnic Studies Internship

II. Electives – 15 Hours

AMS 310 History of American Systems to 1865
AMS 322 Studies in American Literature
AMS 330 Introduction to American Lives
AMS 332 Studies in Race and Ethnicity
AMS 417 Religious Traditions of the American Southwest
AMS 422 Studies in American Literature
AMS 428 Chicano Cultures in the Southwest
AMS 432 Studies in Race and Ethnicity
ASB 319 Indigenous Peoples of North America
ASB 320 Indians of Arizona
ASB 321 Indians of the Southwest
ASB 340 Migration and Culture
ASB 346 Marriage and Family Diversity
ASB 350 Anthropology and Art
ASB 353 Death and Dying in Cross-Cultural Perspective
ASB 440 Women in the Global Factory
ASB 442 Urban Anthropology
TEL 212 Understanding the Culturally Diverse Child
COM 371 Language, Culture, and Communication
OR
CMN 371 Cross-Cultural Communication Perspectives
CRJ 306 Race, Ethnicity, and Justice
ENG 317 Cross-Cultural Writing

ENG 342 20th-Century British and Irish Literature
 ENG 420 Multicultural Autobiographies
 ENG 353 African American Literature: Beginnings through the Harlem Renaissance
 ENG 463 African-American Literature
 ENG 464 Studies in Drama
 OR
 ENG 359 American Indian Literature
 ENG 363 Chicano Literature
 ENG 460 Ethnic Women Writers
 ENG 462 Africana Literature
 ETH 100 Introduction to Ethnic Studies
 FAS 331 Marriage and Family Relationships
 GCU 361 Urban Geography
 GLB 302 Culture and Diversity Management
 HIS 305 History of American Systems to 1865
 HIS 423 Mexico
 OR
 HST 447 Modern Mexico
 HIS 424 The Hispanic Southwest
 OR
 HST 331 Mexican American History to 1900
 HIS 331 American Indians
 OR
 HST 337 American Indian History to 1900
 HIS 430 20th Century Chicano/a History
 OR
 HST 417 Topics in Mexican American History
 HIS 431 Social History of American Women
 HIS 439 Topics in American Race, Class, Gender, and Ethnicity
 HIS 454 History of Genocide
 HIS 462 The African Diaspora
 HIS 465 Origins of Racism
 HON 394 - Special Topics
 IAP 302 Cross-Cultural Perspectives on the Arts
 IAP 303 Artists and the Contemporary American Experience
 IAP 464 Media and Diversity
 IAS 220 Psychology, Multicultural Narratives, and Religion
 IAS 407 Environmental Philosophy and Policy
 IAS 420 Multicultural Autobiographies
 PHI 407 Environmental Philosophy and Policy
 PGS 480 Cross-Cultural Social Psychology
 POL 320 Latino Politics
 POL 430 Race and Politics in the Americas
 POL 435 Women, Power, and Politics
 POL 436 Gender, Sexuality, Nation-States
 REC 302 -
 RTM 302 Recreation and Tourism for Diverse Populations
 OR
 REL 305 Ritual, Symbol, and Myth
 REL 390 Women and Religion
 REL 420 Religion in American Life and Thought
 SBS 301 Cultural Diversity
 SBS 410 Topics in Identity/Difference
 SBS 430 Topics in Power/Knowledge
 SOC 331 Environmental Sociology

SOC 328 Migration
 SOC 332 Urban Sociology
 SPA 464 Mexican American Literature
 SPF 301 Culture and Schooling
 SWG 534 Diversity and Underserved Populations
 SWG 697 Special Topics in Working with Diverse Groups
 SWU 474 Ethnic/Cultural Variables in Social Work
 WST 300 Women in Contemporary Society
 WST 320 Women in Popular Culture
 WST 350 Race, Class, and Gender
 WST 370 Chronicling Women's Lives
 WST 390 Women and World Religions
 WST 467 Ethnic Women Writers
 WST 473 Latina/Chicana Representation
 WST 475 Women of the Diaspora Across Cultures

What you'll see on your DARS:

--> NEEDS: 21.00 HOURS 2 SUB-GROUPS 2.50 GPA

- 1) Core - 6 Hours

NEEDS: 6 HOURS 2 COURSES

COURSE LIST: ETH 300(R) ETH 484(R)

- 2) Electives - 15 Hours

SELECT IN CONSULTATION WITH ETHNIC STUDIES ADVISOR

NEEDS: 15.00 HOURS

COURSE LIST: AMS 310 AMS 322 AMS 330 AMS 332
 AMS 417 AMS 422 AMS 427 AMS 428 ASB 432 ASB 319
 ASB 320 ASB 321 ASB 340 ASB 346 ASB 350 ASB 353
 ASB 440 ASB 442 COE 212 OR TEL 212 W COM 371 OR
 CMN 371 COM 416 OR CMN 416 CRJ 306 ENG 317
 W ENG 341 W ENG 342 ENG 420 ENG 353 ENG 463
 W ENG 464 OR ENG 359 W ENG 466 OR ENG 363
 W ENG 467 OR ENG 460 W ENG 468 OR ENG 462 ETH 100
 ETH 394 ETH 494 FAS 331 GCU 361 GLB 302
 M HIS 305 HIS 423 OR M HST 447 HIS 424 OR
 M HST 331 W HIS 331 OR M HST 337 HIS 430 OR
 M HST 417 W HIS 431 W HIS 439 HIS 454 HIS 462
 HIS 465 HON 394 [*CULT*DIV*] IAP 302 IAP 303
 IAP 464 IAS 220 IAS 407 IAS 420 PHI 407 PGS 485
 PGS 480 POL 320 POL 430 POL 435 POL 436 REC 302
 RTM 302 OR REL 305 REL 390 REL 420 SBS 301
 SBS 410 SBS 430 W SOC 331 OR SOC 328 SOC 332
 SOC 370 SPA 464 SPF 301(THROUGH FA03) SWG 534
 SWG 697 SWU 474 WST 300 WST 320 WST 350 WST 370
 WST 390 WST 467 WST 473 WST 475

ETHICS
College of Liberal Arts & Sciences
2008-2009
Agriculture Building, Room 213, Ph: 480.727.7691

Description:

The Ethics Certificate is designed to give students a richer understanding of systematic philosophical thinking about ethics. Students with majors in business, nursing, journalism, and public administration, among others, may well find that training in ethics is beneficial for their career goals. The certificate program permits some flexibility about course selection, thereby facilitating particular students' interests.

I. Core - 3 hours

- PHI 105 - Introduction to Ethics
- OR
- PHI 335 - History of Ethics

II. Electives - 15 Hours

- PHI 105 - Introduction to Ethics
- PHI 304 - Existentialism
- PHI 305 - Ethical Theory
- PHI 306 - Applied Ethics
- PHI 307 - Philosophy of Law
- PHI 309 - Social and Political Philosophy
- PHI 310 - Environmental Ethics
- PHI 320 - Bioethics
- PHI 335 - History of Ethics
- PHI 420 - Topics in Philosophy (with a focus on ethics)

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) CORE - 3 hours
NEEDS: 3.00 HOURS
COURSE LIST: PHI 305 OR PHI 335
- 2) ELECTIVES - 15 hours

NEEDS: 15.00 HOURS
COURSE LIST: PHI 105 PHI 304 PHI 305 PHI 306
PHI 307 PHI 309 PHI 310 PHI 320 PHI 335
PHI 420 [*ETHICS*]

ENVIRONMENTAL GEOGRAPHY
College of Liberal Arts & Sciences
2008-2009
Schwada Building, Room 131, Ph: 480.965.3652

Description:

- The Environmental Geography area of concentration requires 19-20 semester hours of which a minimum of 12 semester hours must be upper division.
- A letter grade of C or better is required for all courses taken in the area of concentration.
- A minimum of six upper-division hours in the concentration must be taken in residence at ASU Main.

I. Part 1 – 4 Hours

GPH 111 - Introduction to Physical Geography

II. Part 2 – 3 to 4 Hours

M GPH 210 - Society and Environment

M GPH 211 - Landform Processes

GPH 212/214 - Introduction to Meteorology & Lab

III. Part 3 – 6 Hours (two courses)

GPH 314 - Global Change

GCU 350 - The Geography of World Crises

GCU 364 - Energy in the Global Arena

GPH 373 - Geographic Information Science I

GPH 381 - Geography of Natural Resources

IV. Part 4 – 6 Hours (two courses)

GPH 405 - Energy and Environment

GPH 414 - Climate Change

GPH 418 - Landforms of the Western United States

GPH 422 - Plant Geography

GPH 433 - Alpine and Arctic Environments

GPH 481 - Environmental Geography

GCU 474 - Public Land Policy

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 19.00 HOURS 4 SUB-GROUPS

- 1) PART 1 - 4 hours
 NEEDS: 4.00 HOURS
 COURSE LIST: GPH 111(R)

- 2) PART 2 - 3 to 4 hours
 NEEDS: 3.00 HOURS 1 SET
 COURSE LIST: GPH 210 GPH 211 GPH 212 & GPH 214

- 3) PART 3 - 6 hours
 NEEDS: 6.00 HOURS
 COURSE LIST: GPH 314 GCU 350 GCU 364 GPH 373
 GPH 381

- 4) PART 4 - 6 hours
 NEEDS: 6.00 HOURS
 COURSE LIST: GPH 405 GPH 414 GPH 418 GPH 422
 GPH 433 GPH 481 GCU 474

ENGLISH (LITERATURE)
College of Liberal Arts & Sciences
2008-2009
Language and Literature, Room 549C, Ph: 480.965.3535

NOTES:

- To register for ENG 200, students must first make an advising appointment to obtain an eligibility override.
- Check the online Schedule of Classes for course prerequisites.
- A “C” minimum grade is required for all classes.
- A minimum of 12 upper-division hours is required, with at least 6 of these taken at ASU (any campus).
- BIS students may use only one concentration from the Department of English.

I. Core

- ENG 200 Critical Reading and Writing about Literature

II. Areas and Periods

- Must fulfill three of the four areas/periods. At least one course must be at the 400 level. Students may, once only, use a course to satisfy two requirements.
- ENG/ENH _____ Literature and Culture before 1800
- ENG/ENH _____ Literature and Culture after 1800
- ENG/ENH _____ Literary Theory and Interdisciplinary Studies
- ENG/ENH _____ Transnational, Postcolonial, and Global Literatures

III. Electives

- Additional courses needed to complete the 24 hours are free electives chosen from English offerings at the 200 level or above. Electives should also be chosen to meet the minimum 12 upper-division (300- or 400-level) units required for the minor/BIS concentration. Internships (ENG 484) are encouraged—see English Internship Coordinator.

ENG/ENH _____

ENG/ENH _____

ENG/ENH _____

ENG/ENH _____

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 24.00 HOURS 3 SUB-GROUPS

- 1) CORE - 3 hours
 NEEDS: 3.00 HOURS
 COURSE LIST: ENG 200

- 2) AREAS and PERIODS - 6 to 9 hours
 One course from three of the distribution clusters,
 with at least one course at the 400-level.
 See English Department for list of course choices.
 NEEDS: 6.00 HOURS
 COURSE LIST: ENG-TEMPHX ENG-TEMPH2

- 3) ELECTIVES - 12 to 15 hours
 Three to nine hours must be upper division.
 NEEDS: 12.00 HOURS
 COURSE LIST: ENG 2 ENH 2 ENG 3 ENH 3 ENG 4 ENH 4

ENGLISH
New College of Interdisciplinary Arts & Sciences
2008-2009
West Campus
FAB, Room N 204, Ph: 602.543.6090

21 HOURS, MINIMUM 9 HOURS UPPER DIVISION
MINIMUM C (2.00) GRADE

The English curriculum requires 21 semester hours in English, at least nine of which must be in upper division courses.

I. Lower Division - 12 Hours

ENG 221 - Survey of English Literature
ENG 222 - Survey of English Literature
ENG 241 - American Literature
ENG 242 - American Literature

II. Upper Division - 9 Hours

ENG 311 - Persuasive Writing
ENG 323 - Rhetoric and Grammar
ENG 421 - Shakespeare
OR
ENG 473 - Shakespeare

What you'll see on your DARS:

- > NEEDS: 21 Hours 2 SUB-GROUPS
- 1) Lower Division Required Courses - 12 Hours
 NEEDS: 12.00 HOURS
 COURSE LIST: ENG 221(R) ENG 222(R) ENG 241(R)
 ENG 242(R)

 - 2) Upper Division Required Courses - 9 Hours
 NEEDS: 9.00 HOURS
 COURSE LIST: ENG 311(R) ENG 323(R) ENG 421 OR
 ENG 473

ENGLISH (LINGUISTICS)
College of Liberal Arts & Sciences
2008-2009
Language and Literature, Room 549C, Ph: 480.965.3535

NOTES:

- To register for ENG 200, students must first make an advising appointment to obtain an eligibility override.
- Check the online Schedule of Classes for course prerequisites.
- A “C” minimum grade is required for all classes.
- A minimum of 12 upper-division hours is required, with at least 6 of these taken at ASU (any campus).
- BIS students may use only one concentration from the Department of English.

I. Core – 18 Hours

ENG 200 - Critical Reading and Writing about Literature

ENG 213 - Introduction to the Study of Language

ENG 221 - Survey of English Literature to 1798

OR

ENG 222 - Survey of English Literature since 1798

OR

ENG 241 - Literatures of the United States to 1860

OR

ENG 242 - Literatures of the United States, 1860 to Present

ENG 312 - English in Its Social Setting

ENG 314 - Modern Grammar

ENG 413 - History of the English Language

II. Electives – 3 Upper Division Hours

ENG 3

ENG 4

ENH 3

ENH 4

III. Electives – 3 hours

ENG 2

ENG 3

ENG 4

ENH 2

ENH 3

ENH 4

What you'll see on your DARS:

NOTE: Students may use only one concentration from
the Department of English.

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 24.00 HOURS 3 SUB-GROUPS

- 1) CORE - 18 hours
 NEEDS: 18.00 HOURS
 COURSE LIST: ENG 200 ENG 213 ENG 221 OR ENG 222 OR
 ENG 241 OR ENG 242 ENG 312 ENG 314 ENG 413

- 2) ELECTIVES - 3 upper division hours
 NEEDS: 3.00 HOURS
 COURSE LIST: ENG 3 ENH 3 ENG 4 ENH 4

- 3) ELECTIVES - 3 hours
 NEEDS: 3.00 HOURS
 COURSE LIST: ENG 2 ENH 2 ENG 3 ENH 3 ENG 4 ENH 4

EDUCATION
Mary Lou Fulton College of Education
2008-2009
Payne, Room L1-13, Ph: 480.965.5555

- I. Core - 9 Hours**
- EDP 310 - Education Psychology for Non-Teachers
- OR**
- EDP 311 - Education Psychology for Future Teachers
 - MCE 230 - Understanding the Culturally Diverse Child
- OR**
- MCE 446 - Understanding the Culturally Diverse Child
 - SPF 301 - Culture and Schooling
- II. Areas of Study - 9 hours in one area—choose from the following:**
- A. DIVERSITY/EDUC:**
- BLE 335 - Language Diversity in Classrooms
 - BLE 400 - Principles of language minority education
 - IED 401 - Navajo Language and Culture I
 - IED 403 - Navajo Language and Culture II
 - IED 410 - History American Indian Education
 - IED 422 - Methods/Teach Indian Students
 - IED 430 - Lang/Literacy-Indig Peoples
 - IED 433 - Counseling the Indian Student
 - IED 444 - Govt Role-Native Ed Pol/Adm
 - IED 460 - Yaqui History and Culture
 - IED 494 - Special Topics
- OR**
- IED 498 - Pro-Seminar
 - SPE 309 - Basic Special Education Curriculum
 - CED 111 - Exploration of Education
 - SPE 222 - Orientation to Education of Exceptional Children
- B. EDUC PSYCH:**
- EDP 303 - Human Development
 - EDP 310 - Education Psychology for non-teachers
- OR**
- EDP 311 - Education Psychology for Future Teachers
 - EDP 313 - Childhood and adolescence
 - EDP 454 - Statistical Data Analysis in Education
 - ECD 210 - The Developing Child: Theory into Practice: Birth-Pre-K
 - ECD 214 - The Developing Child: Theory into Practice: K-3
- C. EDU MEDIA/COMP:**
- EDT 321 - Computer Literacy
 - EDT 323 - Computer Applications
 - EDT 394 - Special Topics
 - EDT 455 - Authoring Tools
 - EDT 494 - Special Topics

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 hours upper division.

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) CORE - 9 Hours
 NEEDS: 9.00 HOURS
 COURSE LIST: EDP 310(THROUGH S207) OR EDP 311 MCE 446
 OR MCE 230 SPF 301(R)

- 2) AREAS OF STUDY - 9 hours in one area
 NEEDS: 9.00 HOURS
 COURSE LIST: DIVERSITY/EDUC: BLE 335 BLE 400 IED 401
 IED 403 IED 410 IED 411 IED 422 IED 430
 IED 433 IED 444 IED 460 IED 494 OR IED 498
 SPE 309 SPF 111 OR CED 111 SPE 311 OR SPE 222
 EDUC PSYCH: EDP 303 EDP 310(THROUGH S207) OR
 EDP 311 EDP 313 EDP 454 ECD 210 ECD 214
 EDU MEDIA/COMP: EDT 321 EDT 323 EDT 394 EDT 455
 EDT 494

ECONOMICS
College of Liberal Arts & Sciences
2008-2009
Stauffer Hall 412, Ph: 480.965.5095

Description

The program of study is designed for students planning to seek employment upon completion of their undergraduate studies or for students intending to go on to graduate school or law school.

Program Requirements

The BIS area of concentration requires 18 semester hours of course work which includes ECN 211 and 212, and 12 hours of economics courses at the 300 level or above for which all prerequisites have been met. Only courses in which a student receives a grade of C (2.00) or higher may be used to meet these requirements.

- I. Core—6 hours:**
 - o ECN 211 - Macroeconomic Principles
OR
 - o ECN 213 - Honors Macroeconomics
 - o ECN 212 - Microeconomic Principles
OR
 - o ECN 214 - Honors Microeconomics
- II. Electives—12 Hours**
 - o ECN 300/400-level

What you will see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

- > NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) CORE - 6 hours
 NEEDS: 6.00 HOURS
 COURSE LIST: ECN 211 OR ECN 213 ECN 212 OR ECN 214

- 2) UPPER DIVISION ELECTIVES - 12 hours
 Minimum 6 hours at ASU Main.
 NEEDS: 12.00 HOURS
 COURSE LIST: ECN 3 ECN 4

EAST ASIAN STUDIES
College of Liberal Arts and Sciences
2008-2009
Ph: 480-965-7184

Description:

The concentration in East Asian Studies demonstrates knowledge of an Asian language as well as knowledge of Asian history, art, culture, or society. This concentration helps prepares students for admission to graduate programs in Asian area studies or in an academic discipline with an Asian focus, or for professional programs in international law or business. Recent Asian Studies graduates have gone on to enter medical school, law school, MBA programs, or PhD programs.

Program Requirements:

The curriculum includes 24 semester hours of course work:

1. 15 semester hours of upper-division area studies course work in at least three disciplines outside of languages and literature courses (such as anthropology, art, geography, history, political science, and religious studies); and
2. Nine additional semester hours may be some combination of lower- and/or upper-division courses. Six hours may be satisfied with language and literature courses limited to 321 and above.

Design Studies
College of Design
2008-2009
CDS Room 115, Ph: 480.965.3584

Description:

- The courses may appeal to students who wish to pursue the study of design within the Bachelor of Interdisciplinary Studies degree.
- Courses selected must satisfy the minimum requirement of 18 semester hours for the concentration.
- Twelve of the semester hours must be in 300- or 400-level course work.
- To pursue the concentration in Design Studies, students must have a minimum cumulative GPA of 2.50.
- To enhance understanding of the subject matter, some of the designated courses are sequential in nature and require certain prerequisites. Consequently, students should carefully note the semester in which these particular courses are offered. All designated courses for the concentration in design studies are lecture courses.

I. Core - 18 Hours

- ALA 100 - Introduction to Environmental Design
- ALA 102 - Architecture, Landscape Architecture, and Society
- APH 313 - History of Architecture I
- APH 314 - History of Architecture II
- APH 411 - History of Landscape Architecture
- APH 598 - Special Topics
- DSC 101 - Design Awareness
- GRA 111 - Graphic Design History I
- GRA 112 - Graphic Design History II
- GRA 225 - Communication/Interaction Design Theory
- GRA 345 - Design Rhetoric
- GRA 440 - Finding Purpose
- IND 242 - Materials and Design
- IND 243 - Design -Ecology/Social Equity
- IND 316 - 20th-Century Design I
- IND 317 - 20th-Century Design II
- IND 344 - Human Factors in Design
- IND 354 - Principles of Product Design
- IND 470 - Prof Practice-Industrial Design
- INT 111 - Interior Design Issues and Theories
- INT 121 - Introduction to Computer Modeling for Interior Design
- INT 238 - Intro to CAD
- INT 310 - History of Interior Design I
- INT 311 - History of Interior Design II
- INT 412 - History of Decorative Arts in Interiors
- INT 413 - History of Textiles in Interior Design

- LPH 311 - Contemporary Landscape Architecture
- PUP 100 - Introduction to Environmental Design
- PUP 190 - Sustainable Cities
- PUP 200 - The Planned Environment
- PUP 301 - Introduction to Urban Planning
- PUP 363 - History of Planning
- PUP 412 - History of the City
- PUP 425 - Urban Housing Analysis
- PUP 430 - Transportation Planning and the Environment
- PUP 432 - Planning and Development Control Law
- PUP 442 - Environmental Planning
- PUP 444 - Preservation Planning
- PUP 445 - Women and Environments
- PUP 475 - Environmental Impact Assessment
- PUP 485 - International Field Studies in Planning

What you'll see on your DARS:

 Minimum 2.50 GPA required to fulfill this concentration.
 Grade of "C" (2.00) or better required in each course.
 Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS 1 SUB-GROUP 2.50 GPA

- 1) CORE Non-Studio - 18 hours

Note the semesters these courses are offered; some are sequential in nature and require prerequisites.

NEEDS: 18.00 HOURS

COURSE LIST: ALA 100 ALA 102 APH 313 APH 314
 APH 411 APH 598 DSC 101 GRA 111 OR GRA 318org
 GRA 112 GRA 225 GRA 345 GRA 440 IND 242 IND 243
 IND 316 IND 317 IND 344 IND 354 IND 470 INT 111
 INT 121 INT 238 INT 310 INT 311 INT 412 INT 413
 LPH 311 PUP 100 PUP 190 PUP 200 PUP 301 PUP 363
 PUP 412 PUP 425 PUP 430 PUP 432 PUP 442 PUP 444
 PUP 445 PUP 475 PUP 485

DANCE
Herberger College of the Arts
2008-2009
Dixie Gammage 116, Ph: 480.965.3468

Description

The Department of Dance provides a dynamic and culturally diverse learning environment where students develop their creativity as artists, scholars and educators. The interdisciplinary curriculum promotes creative collaboration and a holistic approach to acquiring skills for successful career transitions. Contemporary technique, performance and choreography define the core of the program, and the rich educational experience is further enhanced by studies in dance cultures, music, digital media, dance history, philosophy and criticism, movement science, somatics, and stage and screen production.

Program Requirements

The department offers a BIS Concentration in Dance consisting of 18 semester hours of course work, including twelve upper-division hours. A minimum grade of C (2.00) or higher is required in all courses that fulfill the Dance concentration. Students must maintain an overall cumulative GPA of 3.00 or higher for Dance courses.

Additional Dance requirements include the following:

Choose from the following courses (3 credits):

- DAH 101 Introduction to Dance G (3)
- DAH 201 Dance in World Cultures HU, G (3)

Choose from the following courses (3 credits):

- DAH 301 Philosophy and Criticism of Dance L/HU (3)
- DAH 302 Cross-Cultural Dance Studies L/HU, G (3)
- DAH 401 Dance History HU (3)

Choose from the following courses (4 credits):

- DAN 130 Dance (2)
- DAN 194 Special Topics (2)
- DAN 294 Special Topics (2)
- DAN 394 Special Topics (2)

Dance electives (8 credits)

Total 18

* Topics include Modern, Ballet, Jazz, Argentine Tango, Capoeira, Country Western, Dances of India, Tai Chi, Hip Hop, Latin Salsa, Latin/Swing/Ballroom, Pilates/Yoga, Oriental/Belly Dancing, and Dances of Africa. For more information, contact the Herberger Student Academic Services office.

Please contact the department for more information: <http://dance.asu.edu/undergraduate/faq.htm>.

CREATIVE WRITING
College of Liberal Arts & Sciences
2008-2009
Language and Literature, Room 549C, Ph: 480.965.3535

NOTE: Students may use only one concentration from the Department of English.

The concentration in Creative Writing requires 24 hours, of which 12 hours must be upper division (300/400-level); grades of C or better required for all courses.

- I. **Core 3 Hours**
 - o ENG 200 - Critical Reading and Writing About Literature
- II. **Creative Writing 6 Hours**
 - o ENG 210 - Topic: (Fiction, Poetry, Mixed Genre, Playwriting, Intro to Creative Writing)
 - o ENG 411 - Topic: (Poetry, and Fiction)
- III. **Creative Writing 6 Hours (one class from each topic)**
 - o ENG 310 - Topic: (Poetry, and Fiction)
- IV. **Additional Writing 3 Hours**
 - o ENG 412 - Creative Nonfiction
 - o ENG 494 - Topic: (Magazine Writing, Satan, Arthurian Literature, Theorizing Restoration Drama, Story Analysis for Film and TV, Cultural Theories, Teaching the Novel Grades 6-12, Experimental Narrative, Romanticism, Society and Culture in Modern Europe, Information Matters: Media Teaching and Tools)
- V. **Electives 6 Hours**

What you will see on your DARS:

NOTE: Students may use only one concentration from the Department of English.

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 24.00 HOURS 5 SUB-GROUPS

- 1) CORE - 3 hours
NEEDS: 3.00 HOURS
COURSE LIST: ENG 200(R)

- 2) CREATIVE WRITING - 6 hours
NEEDS: 6.00 HOURS
COURSE LIST: ENG 210(R) ENG 411(R)

- 3) CREATIVE WRITING - 6 hours
Select two writing courses from different genres
NEEDS: 6.00 HOURS
COURSE LIST: ENG 310

- 4) ADDITIONAL WRITING - 3 hours
NEEDS: 3.00 HOURS
COURSE LIST: ENG 412 [*PROF* WRIT*]
ENG 494(THROUGH FA01) [*ST:CRE* NON*]
ENG 412 [*CRE* NON*]

- 5) ELECTIVES - 6 hours
NEEDS: 6.00 HOURS
COURSE LIST: ENG 2 ENG 3 ENG 4 ENH 2 ENH 3 ENH 4

CREATIVE CITY
School of Public Affairs
2008-2009
UCENT 455, Ph: 602.496.0468

The check sheet for Creative City is not available at this time. For additional information, please check with the department offering this concentration, or consult with your BIS advisor.

COMPUTER GAMING
School of Computing and Informatics
2008-2009
Ph: 480.965.3199

Description

The School of Computing and Informatics offers a computer gaming certificate. The 18-credit hour certificate is open to any BIS student is designed to provide a comprehensive game development skill set that the student can apply to his or her other concentration area. The goal is not to teach the student to create recreational video games, but to apply gaming technology to domain-specific problems.

The gaming certificate teaches skills that not only make the student attractive to the rapidly-growing video game industry, but also to a variety of other enterprises, including business, medicine, geography, education, and biotechnology, among others.

Students completing the computer gaming certificate will take 6 semester hours of core courses, then specialize in one of three tracks (9 credit hours), each of which will culminate in a capstone project (3 credit hours):

- **Programming:** In this track, students focus on how game engines work and writing software to work within the game engine. This concentration has direct industry applicability in a number of areas. For example, a student might create a game architecture to help patients with physical therapy, or design a game platform that incorporates geographic information systems.
- **Art:** In this track, students focus on the visual aspects of game design, including 2D/3D modeling, animation, and texturing. Real world applications might include creating an interactive virtual world for corporate training, inventing a surgical simulation to educate medical students, or creating content for the film industry.
- **Education:** In this track, students discover how to apply game design skills to achieve educational goals, learning to build virtual worlds that complement an educational setting. For example, a student might build a game that teaches linear algebra by incorporating trigonometric rules into the game design, or a game that teaches correct sentence construction to early English learners.

Program Requirements**I. Core courses – 9 Hours**

- CPI 111 - Game Development I
- CPI 211 - Game Development II
- CPI 441 - Gaming Capstone

PICK ONE FROM THE FOLLOWING THREE:**II. Programming – 9 Hours**

- CPI 311 - Game Engine Development
- CPI 411 - Graphics for Games
- CPI 412 - Cognitive Systems and Intelligent Agents

III. Art – 9 Hours

- CPI 321 - Introduction to Game Art
 - CPI 421 - Modeling and Texturing
 - CPI 422 - 3D Animation and Rigging
- IV. Education – 9 Hours**
- EDT 329 - Games, Simulations and Virtual Environments
 - RDG 440 - Computer Gaming Learning and Literacy
 - DCI 451 - Design Research and Educational Gaming

What you'll see on your DARS:

COMPUTATIONAL MATHEMATICAL SCIENCES
College of Liberal Arts and Sciences
2008-2009
PSA 211, Ph: 480.965.3951

Description:

The Computational Mathematical Sciences curriculum strives to provide students with a background in computer science and the natural or physical sciences in addition to a core of course work in mathematics.

Program Requirements:

The concentration in Computational Mathematical Sciences consists of a minimum of 18 semester hours.

Required courses:

- MAT 271 Calculus with Analytic Geometry II MA (4)
or
 - MAT 266 Calculus for Engineers II (3)
 - MAT 272 Calculus with Analytic Geometry III MA (4)
or
 - MAT 267 Calculus for Engineers III (3)
 - MAT 342 Linear Algebra (3)
or
 - MAT 343 Applied Linear Algebra (3)
 - MAT 420 Scientific Computing (3)
 - MAT 421 Applied Computational Methods CS (3)
 - MAT 423 Numerical Analysis I CS (3)
or
 - MAT 425 Numerical Analysis II CS (3)
- Total 18**

COMMUNICATION STUDIES
College of Human Services
2008-2009
West; 602.543.6600

REQUIRED: MEETING WITH COMMUNICATION STUDIES
FACULTY ADVISOR TO CONSTRUCT MINOR THAT REFLECTS
A PARTICULAR AREA OF SPECIALTY AND INTEREST.

COMMUNICATION STUDIES

The concentration consists of 18 credit hours of Communication Studies courses. Students wishing to pursue a concentration must meet with a Communication Studies faculty advisor to construct a concentration that reflects a particular area of specialty and interest. At least 12 semester hours must come from upper division courses. To graduate with the concentration, students must earn a minimum cumulative GPA of 2.0 in Communication Studies courses. All courses must be passed with a minimum grade of "C".

I. Required Coursework - Select 3 of the Following:

- CMN 320 Communication & Consumerism
- CMN 329 Persuasion
- CMN 353 Professional Communication
- CMN 454 Rhetorical & Critical Approaches to Public Relations

II. Elective Coursework - Select 3 of the following:

- CMN 414 Crisis Communication
- CMN 453 Communication Training & Development
- CMN 484 Internship*
- ENG 311 Persuasive Writing
- ENG 315 Writing for the Professions
- ENG 412 Writing for Publication
- MKT 301 Fundamentals of Marketing
- MKT 410 Consumer Behavior
- RTM 404 Marketing Recreation & Tourism
- RTM 486 Special Events Management

III. Other Approved Classes:

- CMN 394 Special Topics
- ENG 394 Public Relations Writing
- IAP 361 Digital Editing & Media Literacy

What you'll see on your DARS:

--> NEEDS: 18 HOURS 1 SUB-GROUP 2.00 GPA

- 1) Communication Studies Minor - 18 Hours
Minimum 12 Hours Upper Division
Minimum Grade of "C" (2.00), Minimum 2.00 GPA
NEEDS: 18.00 HOURS
COURSE LIST: COM CMN

COMMUNICATION
College of Liberal Arts & Sciences
2008-2009
Stauffer Hall, Room 412, Ph: 480.965.5095

NOTE: Grade of "C" (2.00) or better required.
No pass/fail credit.
Minimum 9 hours at Tempe campus.
Minimum 12 hours upper division.

Description:

The concentration in Communication consists of 18 semester hours of courses. Nine of the 18 semester hours must be Tempe campus resident credits. No pass/fail, "Y" credit, or credit/no-credit courses are allowed. All prerequisite and GPA requirements must be met. The "C" (2.00) minimum requirement must be met for each class.

I. Core - 6 Hours

COM 100 - Introduction to Human Communication

COM 225 - Public Speaking

OR

COM 259 - Communication in Business and the Professions

II. Electives - 12 Hours

COM 3 - any 300-level COM course

COM 4 - any 400-level COM course

What you'll see on your DARS:

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) CORE - 6 hours
 NEEDS: 6.00 HOURS
 COURSE LIST: COM 100 COM 225 OR COM 259

- 2) ELECTIVES - 12 upper division hours
 At least 6 hours must be taken at Tempe campus.
 One course substitution is permitted.
 See department for list of approved courses.
 NEEDS: 12.00 HOURS
 COURSE LIST: COM 3 COM 4

CLASSICAL STUDIES (LATIN)
College of Liberal Arts & Sciences
2008-2009

Language and Literature, Room 440, Ph: 480.965.6281

I. Language – 19 Hours

LAT 101 - Elementary Latin
LAT 102 - Elementary Latin
LAT 201 - Intermediate Latin I
LAT 202 - Intermediate Latin II
LAT 421 - Roman Literature
LAT 422 - Roman Literature

II. Electives – 6 Hours

ARS 394 - Special Topics
ARS 402 - Art of Ancient Egypt
ARS 404 - Greek Art
ARS 406 - Roman Art
ASB 222 - Buried Cities and Lost Tribes: Our Human Heritage
ENG 303 - Classical Backgrounds of English Literature
ENG 422 - Studies in Shakespeare
GRK 394 - Special Topics
HPS 322 - History of Science
HST 304 - Studies in European History
HST 347 - Ancient Greece
HST 348 - Rome
HST 349 - the Early middle Ages
HST 350 - the Later middle Ages
HST 362 - Sex and Society in Classical and Medieval Europe
HUM 494 - Special Topics
LAT 394 - Special Topics
PHI 420 - Topics in Philosophy
PHI 301 - History of Ancient Philosophy
POS 340 - History of Political Philosophy I

III. Upper Division Electives – 6 hours

ARS 394 - Special Topics
ARS 402 - Art of Ancient Egypt
ARS 404 - Greek Art
ARS 406 - Roman Art
ENG 303 - Classical Backgrounds of English Literature
ENG 422 - Studies in Shakespeare
GRK 394 - Special Topics
HPS 322 - History of Science
HST 304 - Studies in European History
HST 347 - Ancient Greece
HST 348 - Rome
HST 349 - the Early middle Ages

HST 350 - the Later middle Ages
 HST 362 - Sex and Society in Classical and Medieval Europe
 HUM 494 - Special Topics
 LAT 394 - Special Topics
 LAT 421 - Roman Literature
 LAT 422 - Roman Literature
 PHI 420 - Topics in Philosophy
 POS 340 - History of Political Philosophy I
 PHI 301 - History of Ancient Philosophy

What you'll see on your DARS:

 NOTE: Grade of C (2.00) or better required.
 Minimum 12 upper division hours required.

--> NEEDS: 31.00 HOURS 3 SUB-GROUPS

- 1) LANGUAGE - 19 hours
 NEEDS: 19.00 HOURS
 COURSE LIST: LAT 101 LAT 102 LAT 201 LAT 202
 LAT 421 LAT 422

- 2) ELECTIVES - 6 hours
 NEEDS: 6.00 HOURS
 COURSE LIST: ARS 394 [*EGYP* ART*] ARS 402 ARS 404
 ARS 406 ASB 222 ENG 303 ENG 422
 GRK 394 [*TROJAN*] HPS 322 HST 304 [*GREEK* WAR*]
 HST 304 [*ATHENIAN*] HST 347 HST 348 HST 349
 HST 350 HST 362 HUM 301 HUM 494 [*ANC* PER* CUL*]
 HUM 494 [*GEND* ANC*] LAT 394 [*TROJAN*] PHI 301
 PHI 420 [*GREEK*] POS 340 *** 294 [*CLA* MYTH*]
 *** 294 [*GREEK* ROMAN*] *** 494 [*LATIN* PALEO*]

- 3) UPPER DIVISION COURSES - 6 hours
 NEEDS: 6.00 HOURS
 COURSE LIST: ARS 394 [*EGYP* ART*] ARS 402 ARS 404
 ARS 406 ENG 303 ENG 422 GRK 301 GRK 302
 GRK 394 [*TROJAN*] HPS 322 HST 304 [*GREEK* WAR*]
 HST 304 [*ATHENIAN*] HST 347 HST 348 HST 349
 HST 350 HST 362 HUM 301 HUM 494 [*ANC* PER* CUL*]
 HUM 494 [*GEND* ANC*] LAT 394 [*TROJAN*] LAT 421
 LAT 422 PHI 301 PHI 420 [*GREEK*] POS 340
 *** 494 [*LATIN* PALEO*]

CLASSICAL STUDIES (Greek)
College of Liberal Arts & Sciences
2008-2009
Language and Literature, Room 440, Ph: 480.965.6281

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

I. Language – 19 Hours

GRK 101 - Elementary Ancient Greek
GRK 102 - Elementary Ancient Greek
GRK 301 - Ancient Greek Literature I
GRK 302 - Ancient Greek Literature II

II. Electives – 6 Hours

ARS 394 - Special Topics
ARS 402 - Art of Ancient Egypt
ARS 404 - Greek Art
ARS 406 - Roman Art
ASB 222 - Buried Cities and Lost Tribes: Our Human Heritage
ENG 303 - Classical Backgrounds of English Literature
ENG 422 - Studies in Shakespeare
GRK 394 - Special Topics
HPS 322 - History of Science
HST 304 - Studies in European History
HST 347 - Ancient Greece
HST 348 - Rome
HST 349 - the Early middle Ages
HST 350 - the Later middle Ages
HST 362 - Sex and Society in Classical and Medieval Europe
HUM 494 - Special Topics
LAT 394 - Special Topics
PHI 420 - Topics in Philosophy
PHI 301 - History of Ancient Philosophy
POS 340 - History of Political Philosophy I

III. Upper Division Electives – 6 hours

ARS 394 - Special Topics
ARS 402 - Art of Ancient Egypt
ARS 404 - Greek Art
ARS 406 - Roman Art
ENG 303 - Classical Backgrounds of English Literature
ENG 422 - Studies in Shakespeare
GRK 394 - Special Topics
HPS 322 - History of Science
HST 304 - Studies in European History
HST 347 - Ancient Greece

HST 348 - Rome
 HST 349 - the Early middle Ages
 HST 350 - the Later middle Ages
 HST 362 - Sex and Society in Classical and Medieval Europe
 HUM 494 - Special Topics
 LAT 394 - Special Topics
 LAT 421 - Roman Literature
 LAT 422 - Roman Literature
 PHI 420 - Topics in Philosophy
 POS 340 - History of Political Philosophy I
 PHI 301 - History of Ancient Philosophy

What you'll see on your DARS:

--> NEEDS: 29.00 HOURS 3 SUB-GROUPS

- 1) LANGUAGE - 17 hours
 NOTE: GRK 301/302 repeatable for credit
 NEEDS: 17.00 HOURS
 COURSE LIST: GRK 101 GRK 201 GRK 301 GRK 302

- 2) ELECTIVES - 6 hours
 NEEDS: 6.00 HOURS
 COURSE LIST: ARS 394 [*EGYP* ART*] ARS 402 ARS 404
 ARS 406 ASB 222 ENG 303 ENG 422
 GRK 394 [*TROJAN*] HPS 322 HST 304 [*GREEK* WAR*]
 HST 304 [*ATHENIAN*] HST 347 HST 348 HST 349
 HST 350 HST 362 HUM 301 HUM 494 [*ANC* PER* CUL*]
 HUM 494 [*GEND* ANC*] LAT 394 [*TROJAN*] PHI 301
 PHI 420 [*GREEK*] POS 340 *** 294 [*CLA* MYTH*]
 *** 294 [*GREEK* ROMAN*] *** 494 [*LATIN* PALEO*]

- 3) UPPER DIVISION COURSES - 6 hours
 NEEDS: 6.00 HOURS
 COURSE LIST: ARS 394 [*EGYP* ART*] ARS 402 ARS 404
 ARS 406 ENG 303 ENG 422 GRK 301 GRK 302
 GRK 394 [*TROJAN*] HPS 322 HST 304 [*GREEK* WAR*]
 HST 304 [*ATHENIAN*] HST 347 HST 348 HST 349
 HST 350 HST 362 HUM 301 HUM 494 [*ANC* PER* CUL*]
 HUM 494 [*GEND* ANC*] LAT 394 [*TROJAN*] LAT 421
 LAT 422 PHI 301 PHI 420 [*GREEK*] POS 340
 *** 494 [*LATIN* PALEO*]

CIVIC EDUCATION
College of Liberal Arts & Sciences
2008-2009
Coor Hall, 6th Floor, Ph: 480.965.6551

I. Core - 9 Hours

POS 210 - Political Ideologies
POS 346 - Problems of Democracy
POS 442 - American Political Thought

II. Concentration Options - 3 Hours (one course)

POS 340 - History of Political Philosophy I
POS 341 - History of Political Philosophy II
POS 443 - Topics in Contemporary Political Theory

III. Concentration Options - 6 Hours (two courses)

POS 110 - Government and Politics
OR
POS 310 - American National Government
POS 150 - Comparative Government
POS 160 - Global Politics
POS 270 - American Legal System
POS 300 - Contemporary Controversies in Global Politics
POS 313 - The Congress
POS 314 - The American Presidency
POS 315 - The Supreme Court
POS 330 - Contemporary Controversies in Domestic Politics
POS 332 - American Political Parties
POS 333 - Interest Groups
POS 370 - Law and Society
POS 417 - The Arizona Political System
POS 435 - Women and Politics
POS 439 - Minority Group Politics in America

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum of 12 upper division hours required.

--> NEEDS: 18.00 HOURS 3 SUB-GROUPS 2.00 GPA

- 1) CORE - 9 hours
 NEEDS: 9.00 HOURS
 COURSE LIST: POS 210(SP07 or after) POS 346 POS 442

- 2) CONCENTRATION OPTIONS - 3 hours
 Select one course from the course list
 NEEDS: 3.00 HOURS
 COURSE LIST: POS 340 POS 341 POS 443

- 3) CONCENTRATION OPTIONS - 6 hours
 Select two courses from the course list
 NEEDS: 6.00 HOURS
 COURSE LIST: POS 110 OR POS 310 POS 150 POS 160
 POS 270 POS 300 POS 313 POS 314 POS 315 POS 330
 POS 332 POS 333 POS 370 POS 417 POS 435 POS 439

CHINESE
College of Liberal Arts & Sciences
2008-2009
Language and Literature, Room 440, Ph: 480.965.6281

Description:

The BIS emphasis area in Chinese requires 18 semester hours, including a minimum of 12 upper division hours. No more than 6 credits of 200-level CHI courses may be counted toward the BIS emphasis area

RECOMMENDED COURSES General Studies Credits

CHI 201 Second-Year Chinese I G (5)
CHI 202 Second-Year Chinese II G (5)
CHI 205 Calligraphy (1)
TOTAL (6)

REQUIRED COURSES:

CHI 301 Third-Year Chinese I (Formerly CHI 313) G (5)
CHI 302 Third-Year Chinese II (Formerly CHI 314) G (5)
TOTAL (10)

OTHER COURSES: (to complete 18 total hours)

CHI 307 Introduction to Classical Chinese I (Formerly CHI 413) HU (3)
CHI 308 Introduction to Classical Chinese II (Formerly CHI 414) HU (3)
CHI 321 Chinese Literature HU (3)
CHI 322 Chinese Literature HU, G (3)
CHI 345 Chinese Film and Civilization (3)
CHI 394/494 Special Topics (titles vary, see class schedule) (1-3)
TOTAL (2+)

TOTAL FOR CHINESE MINOR OR BIS EMPHASIS AREA (18)

NOTES FOR BIS EMPHASIS AREA:

- A grade of C or better must be achieved in all courses to be counted toward the BIS emphasis area.
- A minimum of 6 upper-division hours in the minor or BIS emphasis area must be taken in residence at ASU Tempe Campus.
- Pass/Fail courses cannot be used for the BIS emphasis area.
- CHI 101 and 102 are not applicable to the BIS emphasis area.
- CHI 301 and CHI 302 must be taken in sequence.
- Course substitutions are permitted for Heritage speakers and other advanced speakers of Chinese with approval first by the Chinese Section Coordinator.

CHEMISTRY

College of Liberal Arts & Sciences

2008-2009**Physical Sciences D-Wing, Room 102, Ph: 480.965.3461****I. Core – 8 hours**

- CHM 113 - General Chemistry I
- CHM 116 - General Chemistry II

II. Core – 4 hours

- CHM 325 - Analytical Chemistry
- CHM 326 - Analytical Chemistry Laboratory

III. Groups – 8 hours (select 1 group)**A.**

- BCH 361 - Principles of Biochemistry
- BCH 367 - Elem. Biochemistry Lab
- CHM 231 - Elem. Organic Chemistry
- CHM 235 - Elem. Organic Chemistry Lab

B.

- CHM 233 - Gen. Organic Chemistry I
- CHM 237 - Gen. Organic Chemistry Lab I
- CHM 234 - Gen. Organic Chemistry II
- CHM 238 - Gen. Organic Chemistry Lab II

IV. Groups – 4 to 8 hours (select one group)**A.**

- CHM 341 - Elem. Physical Chemistry
- CHM 343 - Physical Chemistry Lab

B.

- CHM 345 - Physical Chemistry I
- CHM 348 - Physical Chemistry Lab I
- CHM 346 - Physical Chemistry II
- CHM 349 - Physical Chemistry Lab II

C.

- CHM 441
- CHM 442
- CHM 444

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

--> NEEDS: 24.00 HOURS

- 1) CORE - 8 hours
NEEDS: 8.00 HOURS
COURSE LIST: CHM 113 CHM 116

- 2) CORE - 4 hours
NEEDS: 4.00 HOURS
COURSE LIST: CHM 325 CHM 326

- 3) GROUPS - 8 hours
Select one group from the course list
NEEDS: 8.00 HOURS
COURSE LIST: GROUP #1: CHM 231 & CHM 235 & BCH 361 &
BCH 367
GROUP #2: CHM 233 & CHM 237 & CHM 234 & CHM 238

- 4) GROUPS - 4 to 8 hours
Select one group from the course list
NEEDS: 4.00 HOURS
COURSE LIST: GROUP #1: CHM 341 & CHM 343
GROUP #2: CHM 345 & CHM 346 & CHM 348 & CHM 349
GROUP #3: CHM 441 & CHM 442 & CHM 444

BUSINESS

W. P. Carey School of Business

2008-2009

Business Administration, Room 109, Ph: 480.965.4227

A Minor in Business is available to students across the University who have an interest in business courses but wish to pursue majors in other colleges. The courses available for the minor are designed to appeal to and inform the non-business student while covering a broad range of topics important to modern managers.

I. Take three of the following five courses (9 credit hours):

ACC	382/394	Accounting and Financial Analysis (See a business advisor if ACC 230 has been taken)
ECN	382	Managerial Economics
FIN	380	Personal Financial Management
MGT	380	Management and Strategy for Non-Majors
MKT	395/382*	Essentials of Advertising and Marketing Communication
	or	
MKT	394*	Special Topics

II. Take three elective courses (9 credit hours):

Any of the above, including both MKT		(courses may not double count in area I and area II)
CIS	300	Web Design and Development
REA	380	Real Estate Fundamentals
LES	380	Consumer Perspectives of Business Law

*Cannot take both MKT 395/382 and MKT 394 to meet area I. requirements.

Note: ACC 382 and ACC 394 are the same course; prefix / # change beginning Fall 2007.

Note: MKT 395 and MKT 382 are the same course; prefix / # change beginning Fall 2007.

Students must complete 18 credit hours of the specified business courses with a grade of "C" or better in each course.

Eligibility

The upper division courses specified for the concentration will be restricted to students with 56 earned credit hours and good standing in the University (2.0 ASU cum. GPA).

NOTE: If you have taken one of the above approved courses and it is not showing in your DARS audit, please call (480)965-4227 or come in person to BA 109 for assistance.

What you will see on your DARS:

Grade of C (2.00) or better required.

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) REQUIRED COURSES - 9 hours
 NEEDS: 9.00 HOURS
 COURSE LIST: ACC 382 ECN 382 FIN 380 MGT 380
 MKT 395

- 2) ELECTIVE COURSES - 9 hours
 NEEDS: 9.00 HOURS
 COURSE LIST: ACC 382 CIS 300 ECN 382 FIN 380
 MKT 391 OR MKT 393 OR MKT 394 OR MKT 395 LES 380
 REA 380

BIOLOGICAL SCIENCES
College of Liberal Arts & Sciences
2008-2009
Life Sciences C-Wing, Room 226, Ph: 480.965.9537

Description:

The concentration is designed to provide students interested in the biological sciences with a flexible curriculum that can be tailored to their interests. The minor consists of 24 semester hours, including BIO 187 General Biology I and BIO 188 General Biology II. PLB 200 Biology of Plants and PLB 201 Biology Plants Laboratory OR MIC 206 Microbiology Laboratory and MIC 220 Biology of Microorganisms may together be substituted for either BIO 187 or BIO 188. Alternatively, MBB 245 Cellular and Molecular Biology and MBB 246 Cellular and Molecular Laboratory may be substituted for BIO 188. The remaining 16 hours are selected by the student with the approval of a School of Life Science's advisor.

I. Core 8 Hours- 2 course groups

- o BIO 187 - General Biology I & BIO 188 - General Biology II
OR
- o PLB 200 - Biology of Plants & PLB 201 - Biology of Plants Laboratory
OR
- o MIC 206 - Microbiology Laboratory & MIC 220 - Biology of Microorganism

II. Electives 16 Hours

- o Select in consultation with an advisor in the School of Life Sciences

Notes:

1. At least 12 of the remaining 16 hours must be in upper division courses in the life sciences.
2. Courses which are not available for credit in the Life Sciences majors cannot be used for the minor (e.g. BIO 100 The Living World, and BIO 201 Human Anatomy and Physiology I).

What will appear on your DARS:

NOTE: Grade of C or Better required in all courses.
Minimum 12 upper division hours required.

--> NEEDS: 24.00 HOURS

- 1) CORE - 8 hours
Select two course groups:
(In some cases MBB 245 & 247 may be used in

this area -- See department for details.)
NEEDS: 8.00 HOURS 2 SETS
COURSE LIST: BIO 187 BIO 188 PLB 200 & PLB 201
MIC 206 & MIC 220

- 2) ELECTIVES - 16 hours
12 upper division hours required.
Select in consultation with a departmental advisor.
NEEDS: 16.00 HOURS
-> NOT FROM: BIO 201 BIO 202 BIO 300 BIO 301
BIO 302 BIO 303 BIO 319 BIO 336 BIO 390 BIO 490
BIO 499 BIO 484 MIC 402 PLB 320
COURSE LIST: BIO 3 BIO 4 MIC 3 MIC 4 PLB 3 PLB 4
MBB 3 MBB 4

BIOCHEMISTRY

College of Liberal Arts & Sciences

2008-2009

Physical Sciences D-Wing, Room 102 Ph: 480.965.5065

I. Core - 6 Hours

BCH 461 - General Biochemistry

BCH 462 - General Biochemistry

II. Core Groups - 8 Hours (choose one group)**A.**

CHM 113 - General Chemistry I

CHM 116 - General Chemistry II

B.

CHM 117 - General Chemistry for Majors I

CHM 118 - General Chemistry for Majors II

III. Core Groups - 8 Hours (choose one group)**A.**

CHM 233 - General Organic Chemistry I

CHM 237 - General Organic Chemistry Lab I

CHM 234 - Organic Chemistry II

CHM 238 - Organic Chemistry Lab II

B.

CHM 333 - Organic Chemistry for Majors I

CHM 237 - General Organic Chemistry Lab I

CHM 234 - Organic Chemistry II

CHM 238 - Organic Chemistry Lab II

IV. Core - 3 Hours

CHM 341 - Elementary Physical Chemistry

CHM 345 - Physical Chemistry I

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.

Minimum 12 upper division hours required.

--> NEEDS: 25.00 HOURS

- 1) CORE - 6 hours

NEEDS: 6.00 HOURS

COURSE LIST: BCH 461 BCH 462

- 2) CORE GROUPS - 8 hours
Select one group from the course list
NEEDS: 8.00 HOURS
COURSE LIST: GROUP #1 CHM 117 & CHM 118
GROUP #2 CHM 113 & CHM 116

- 3) CORE GROUPS - 8 hours
Select one group from the course list
NEEDS: 8.00 HOURS
COURSE LIST: GROUP #1: CHM 333 & CHM 337 & CHM 334 &
CHM 338
GROUP #2: CHM 233 & CHM 237 & CHM 234 & CHM 238

- 4) CORE - 3 hours
NEEDS: 3.00 HOURS
COURSE LIST: CHM 341 OR CHM 345

ASTRONOMY
College of Liberal Arts and Sciences
2008-2009
Physical Sciences F-Wing, Room 470, Ph: 480.965.9075

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.

I. Core - 8 Hours

AST 113 - Astronomy Laboratory I
AST 114 - Astronomy Laboratory II
AST 321 - Introduction to Planetary and Stellar Astrophysics
AST 322 - Introduction to Galactic and Extragalactic Astrophysics

II. Physics - 12 Hours

PHY 150 - Physics I
PHY 151 - Physics II
PHY 252 - Physics III

III. Electives - 6 upper division hours

See advisor for list

What you'll see on your DARS:
--> NEEDS: 26.00 HOURS

- 1) CORE - 8 hours
NEEDS: 8.00 HOURS
COURSE LIST: AST 321(R) AST 113(R) AST 322(R)
AST 114(R)
- 2) PHYSICS - 12 hours
PHY 121 & 122 and PHY 131 & 132 can be taken
in lieu OF PHY 150 & 151
NEEDS: 12.00 HOURS
COURSE LIST: PHY 150 PHY 151 PHY 252
- 3) ELECTIVES - 6 upper division hours
Select in consultation with a departmental advisor
NEEDS: 6.00 HOURS
COURSE LIST: ASTEMPHX ASTEMPH3

ASIAN STUDIES
College of Liberal Arts & Sciences
2008-2009
Coor 6th Floor, Ph: 480.965.7184

Description:

The Asian Studies concentration is offered through the Center for Asian Research. It demonstrates knowledge of an Asian language as well as general knowledge of Asian history, art, culture, and society. The concentration provides students with official transcript recognition of specialization in Asian Studies.

Program Requirements:

The concentration curriculum includes 23 semester hours of course work:

1. 15 semester hours of upper-division area studies course work in at least three disciplines outside of languages and literature courses (such as anthropology, art, geography, history, political science, and religious studies), and
2. 8 additional semester hours may be some combination of lower- and/or upper-division courses. Six hours may be satisfied with language and literature courses limited to 321 and above.

In addition, concentration students must demonstrate proficiency in an Asian language at the intermediate level. The language requirement can be satisfied by completing the 201 and 202 sequence, one year of study abroad at the intermediate level, or satisfactory placement on a proficiency exam. Asian languages include Chinese, Hindu/Urdu, Indonesian, Japanese, Korean, Thai, and Vietnamese.

I. Language – 10 Hours

- CHI - any CHI
- IDN - any IDN
- JPN - any JPN
- KOR - any KOR
- THA - any THA
- or
- VTN – any VTN

II. Asian Studies Core – 12 Hours

See an advisor for list

III. Electives – 3 to 6 Hours

- APH 301 –
- ARS 201 – Art of Asia
- ARS 472 – Art of China
- ARS 473 – Art of Japan
- ARS 475 – Chinese Painting
- ARS 498 – Pro-Seminar
- ARS 575 – Approaches to Chinese Painting
- ARS 591 – Seminar
- ASB 240 - Introduction to Southeast Asia

- ASB 314 - Comparative Religion
- ASB 324 - Peoples of the Pacific
- ASB 325 - Peoples of Southeast Asia
- ASB 480 - Introduction to Linguistics
- ASB 591 - Seminar
- COM 263 - Elements of Intercultural Communication
- COM 371 - Language, Culture, and Communication
- COM 463 - Intercultural Communication Theory and Research
- COM 465 - Intercultural Communication Workshop
- COM 494 - Special Topics
- ECN 306 - Survey of International Economics
- ECN 436 - International Trade Theory
- ECN 438 - International Monetary Economics
- ECN 503 - Global Business Environment
- EDP 591 - Seminar
- ENG 547 - Public Economics
- FAS 370 - Family, Ethnic, and Cultural Diversity
- GCU 121 - World Geography
- GCU 240 - Introduction to Southeast Asia
- GCU 326 - Geography of Asia
- GCU 350 - The Geography of World Crises
- GCU 359 - Cities of the World I
- GCU 360 - Cities of the World II
- GCU 433 - Geography of Southeast Asia
- GCU 494 - Special Topics
- GCU 591 - Seminar
- HST 101 - Global History Since 1500
- HST 106 - Asian Civilizations
- HST 107 - Asian Civilizations
- HST 108 - Introduction to Japan
- HST 201 - Historical Themes in Asia
- HST 240 - Introduction to Southeast Asia
- HST 316 - 20th-Century U.S. Foreign Relations
- HST 383 - China
- HST 384 - China
- HST 385 - Chinese Science and Medicine
- HST 387 - Japan
- HST 388 - Japan
- HST 389 - Japanese Society and Values: Premodern
- HST 391 - Modern Southeast Asia
- HST 451 - Chinese Cultural History
- HST 452 - Chinese Cultural History
- HST 453 - The People's Republic of China
- HST 455 - The United States and Japan
- HST 456 - The Vietnam War
- HST 394 - Special Topics
- HST 555 - Comparative Historical Topics
- HUM 310 - Japanese Cities and Cultures to 1800
- MCO 430 - International Mass Communication
- MGT 459 - International Management
- MGT 559 - International Management
- MGT 598 - Special Topics
- MHL 344 - Music in World Cultures
- MKT 435 - International Marketing
- MKT 394 - Special Topics

- MUS 494 - Special Topics
- POS 101 - Government and Politics
- OR
- POS 210 - Political Ideologies
- POS 150 - Comparative Government
- POS 160 - Global Politics
- POS 240 - Introduction to Southeast Asia
- POS 260 - Current Issues in International Politics
- POS 357 - South Asia Politics
- POS 358 - Southeast Asia
- POS 360 - World Politics
- POS 445 - Asian Political Thought
- POS 451 - China, Japan, and the Koreas
- POS 452 - China
- POS 467 - International Security
- POS 468 - Comparative Asian Foreign Policies
- POS 486 - International Political Economy
- POS 498 - Pro-Seminar
- POS 550 - Comparative Politics
- POS 560 - International Relations
- POS 563 - Comparative Asian Security Policies
- REL 100 - Religions of the World
- REL 200 - The Study of Religious Traditions
- REL 240 - Introduction to Southeast Asia
- REL 301 - Comparative Mysticism
- REL 343 - Taoism
- REL 344 - Religion and Values in Japanese Life
- REL 345 - Asian Religious Traditions
- REL 350 - Hinduism
- REL 351 - Buddhism
- REL 352 - Modern Buddhism
- REL 355 - Japanese Cities and Cultures to 1800
- REL 365 - Islamic Civilization
- REL 366 - Islam in the Modern World
- REL 394 - Special Topics
- REL 405 - Problems in Religious Studies
- REL 444 - Religion in Japan
- REL 460 - Studies in Islamic Religion
- REL 494 - Special Topics
- REL 598 - Special Topics
- SGS 294 - Special Topics
- SGS 394 - Special Topics
- SOC 451 - Comparative Sociology
- WST 457 - Gender, Culture, and Development

What you'll see on your DARS:

 NOTE: Grade of C (2.00) or better required.
 Minimum 12 upper division hours required.

NOTE: Students may also pursue a certificate in
ASIAN STUDIES or EAST ASIAN STUDIES. See
advisor for details.

--> NEEDS: 23.00 HOURS 3 SUB-GROUPS

- 1) LANGUAGE - 10 hours
Six hours of upper division language courses can
be taken in lieu of this 10 hour requirement.
See Asian Studies advisor for more information.
Select from CHI, IDN, JPN, KOR, THA, or VTN
NEEDS: 10.00 HOURS

- 2) ASIAN STUDIES CORE - 12 upper division hours
Select at least two disciplines different
from language and literature studies.
See advisor for list of acceptable courses.
NEEDS: 12.00 HOURS
COURSE LIST: ASNEMPH2

- 3) ELECTIVES - 3 to 6 hours to meet the Asian
Studies 23 hour minimum. See advisor for
additional course options.
NEEDS: 3.00 HOURS
COURSE LIST: APH 301 APH [*COL* POS*] ARS 201
ARS 472 ARS 473 ARS 473 ARS 475
ARS 498 [*CHIN* ART*] ARS [*CHINA*]
ARS [*JAPAN*] ARS 575 ARS 591 [*DYN* PAINT*]
ASB [*ASIAN*] ASB [*SOUTHEAST ASIA]
ASB [*CHINA*] ASB 240 ASB 242 ASB 314 ASB 324
ASB 325 ASB 480 ASB 591 [*PEOPLE* PACIF*]
ASM [*PEOP* WORLD*] COM 263 COM 363 COM 371
COM 463 COM 465 COM 494 [*INTER*] COM 563
ECN [*MULTI*] ECN [*INTER*] ECN 306 ECN 436
ECN 438 ECN 503 ECN 536 ECN 538
EDP 591 [*INTERGEN*] ENG [*ASIA*]
ENG [*CHINESE*] ENG [*SOUTHEAST ASIA] ENG 547
FAS 370 FAS 494 [*THIRD* WORLD]
FAS 598 [*INTERGEN*] GCU 121 GCU 240 GCU 326
GCU 350 GCU 359 GCU 360 GCU 431 GCU 433
GCU 494 [*JAPAN*] GCU 591 [*CULTURAL*]
HST [*JAPAN*] HST [*ASIA*]
HST [*SOUTHEAST ASIA] HST [*ASIAN*]
HST [*CHINA*] HST [*CHINESE*] HST 101 HST 106
HST 107 HST 108 HST 201 HST 240 HST 316 HST 383
HST 384 HST 385 HST 387 HST 388 HST 389 HST 391
HST 451 HST 452 HST 453 HST 455 HST 456
HST 394 [*SAMURAI*] HST 555 [*ORAL* TRAD*]
HUM [*SOUTHEAST ASIA] HUM [*CHINA*]
HUM [*HINDUISM*] HUM [*ISLAMIC*]
HUM [*CHINESE*] HUM [*JAPAN*] HUM [*BUDDHISM*]
HUM 310 IBS [*ASIA] MCO 430 MGT 459 MGT 559

MGT 598 [*INTER*] MHL 344 MHL 545 MHL 566
MKT 435 MKT 394 [*GLOBAL*] MKT [*INTER*]
MUS 494 [*WORLD* CULT*] NUR 230 POS 101 OR
POS 210 POS 150 POS 160 POS 240 POS 260
POS 294 [*SOUTHEAST ASIA] POS 357 POS 358 POS 360
POS 394 [*INTERN* SECUR*] POS 445 POS 451 POS 452
POS 458 POS 460 POS 467 POS 468 POS 486
POS 494 [*ASIA*] POS 494 [*JAPANESE*]
POS 498 [*ASIA*] POS 550 POS 560 POS 563
PUP [*DEVEL* COUNTR*] REL 100 REL 200 REL 240
REL 294 [*ISLAM] REL 301 REL 343 REL 344 REL 345
REL 350 REL 351 REL 352 REL 355 REL 365 REL 366
REL 394 [*MYSTICISMS*] REL 394 [*ASIAN*]
REL 394 [*JAPANESE*] REL 394 [*SAINT* SINNER*]
REL 405 REL 444 REL 460 REL 494
REL 598 [*MYSTICISMS*] SGS 294 [*ASIA*]
SGS 394 [*ASIA*] SGS 394 [*CHINA*]
SGS 394 [*COLONIAL*] SOC 361 SOC 451
THE [*ASIAN* THEA*] WST 457

ASIAN PACIFIC AMERICAN STUDIES
College of Liberal Arts & Sciences
2008-2009
Wilson Hall, Room 344, Ph: 480.965.9711

I. Core - 9 Hours

APA 200 - Intro to APAS
APA 360 - APA Experience: Rotating Topics
APA 484 - Internship/Community Service
OR

APA 494 - APA Communities

II. Electives - 9 Hours

APA 210 - Introduction to Ethnic Studies
APA 310 - APA Arts and Culture
APA 315 - APA Literature
APA 330 - APA Genders and Sexualities
APA 340 - APA and Media
APA 345 - APA and Film
APA 360 - APA Experiences: Rotating topics
(different topic from previous APA 360)
APA 394 - APA Special Topics
APA 450 - APA Contemporary Issues
APA 494 - APA Special Topics
(different topic from previous APA 394)
APA 499 - Individualized Instruction
ASB 242 - APA: An Anthropological Perspective
COM 263 - Elements of Intercultural Communication
MCO 460 - Race, Gender, and Media
SOC 470 - Racial and Ethnic Minorities

What you'll see on your DARS:

NOTE: Grade of "C" (2.00) or better required.
Minimum 12 hours upper division required.

--> NEEDS: 18.00 HOURS

- 1) CORE - 9 hours
NEEDS: 9.00 HOURS
COURSE LIST: APA 200 APA 360 APA 484 OR
APA 494 [*COMMUNITIES*]

- 2) ELECTIVES - 9 hours
NEEDS: 9.00 HOURS
COURSE LIST: APA 210 APA 310 APA 315 APA 330

APA 340 APA 345 APA 360 APA 394 APA 450 APA 494
APA 499 ASB 242 COM 263 MCO 460 SOC 470

ART HISTORY
Herberger College of the Arts
2008-2009
Dixie Gammage 116, Ph: 480.965.3468

Program Requirements

The School of Art offers a BIS concentration in Art History consisting of 18 semester hours of course work, including 12 upper-division electives. A minimum grade of C (2.00) is required in all classes in the BIS concentration. For those pursuing a BIS concentration, a minimum overall GPA of 2.00 is required. Courses may not be double counted in a major and the BIS concentration, and a minimum of 12 semester hours of resident credit at the Tempe campus is required.

ARS 100 or 300 may be used toward a BIS concentration.

Required Courses: Select two of the following four required courses:

ARS 101 Art from Prehistory Through Middle Ages HU, H (3)

ARS 102 Art from Renaissance to Present HU, H (3)

ARS 201 Art of Asia HU, G, H (3)

ARS 202 Art of Africa, Oceania, and the Americas HU, G, H (3)

Elective Courses: Students pursuing an art history BIS concentration select four three-semester-hour upper-division courses. A seminar is strongly recommended for those considering graduate study. Students need to be aware of lower-division prerequisites for all upper-division courses. Interested students should contact the School of Art for specific requirements and admission procedures.

ARCHITECTURAL STUDIES
College of Design
2008-2009
CDN 162, Ph: 480.965.3536

Description:

The Architectural Studies concentration is available in this field who wish to pursue another concentration as well. The courses are designed to provide an overview of architecture throughout history while focusing on architectural design with the intention to explore the process of design thinking.

Program Requirements:

A minimum of 18 semester hours are required for the minor.

I. Core - 12 Hours

- ALA 100 - Introduction to Environmental Design
- ALA 102 - Architecture, Landscape Architecture, and Society
- APH 313 - History of Architecture I
- APH 314 - History of Architecture II

II. History and Theory - 6 Hours

- APH 305 - Contemporary Architecture
- APH 300 - World Architecture I/Western Cultures
- APH 441 - Ancient Arch
- APH 394 - Special Topics
- APH 411 - History of Landscape Architecture
- APH 414 - History of the City
- APH 446 - 20th-Century Architecture I
- APH 447 - 20th-Century Architecture II
- APH 494 - Special Topics
- APH 499 - Individualized Instruction
- APH 511 - Energy Environment Theory
- APH 598 - Special Topics

Minimum 3.0 GPA required to pursue this concentration.

Minimum 3.0 GPA required to complete this concentration.

What you'll see on your DARS:

Minimum 3.0 GPA required to pursue this concentration.
Minimum 3.0 GPA required to complete this concentration.
Grade of "C" (2.00) or better required in each course.

Minimum 12 upper division hours required.

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS 3.00 GPA

- 1) CORE - 12 hours

NEEDS: 12.00 HOURS

COURSE LIST: ALA 100 ALA 102 APH 313 APH 314

- 2) ARCHITECTURAL HISTORY and THEORY - 6 hours

NEEDS: 6.00 HOURS

COURSE LIST: APH 305 APH 300 APH 441 APH 444

APH 394 APH 411 APH 414 APH 446 APH 447 APH 494

APH 499 APH 511 APH 598 ARP 451 LPH 420

ARABIC STUDIES
School of International Letters and Cultures
2008-2009
Language and Literature, Room 440, Ph: 480.965.6281

Description:

A Certificate in Arabic Studies provides students with skills that will enable and qualify them to communicate effectively in Arabic in the four areas of language acquisition: speaking, listening, reading and writing. In addition to these communicative skills, students will simultaneously gain a broad knowledge and understanding of the culture, literature, and traditions of the vast Arabic-speaking world. The Certificate provides critically-needed educational and cultural diversity that will enrich ASU students' undergraduate experience and prepare them for life as employees and employers. Graduate students in the liberal arts, social sciences and humanities seeking academic or professional careers in any of the three disciplines or thematic concentrations are also expected to be attracted to this Certificate because of the added advantage the program gives them in the job market given the demonstrably high need for graduates with Arabic knowledge.

Requirement

ASU students admitted to a degree program in any field of study would be eligible for the Arabic Studies Certificate Program. In addition to the course work and examinations required in the major field of interest, students would be responsible for fulfilling the minimum requirement of 18 hours (in addition to the basic language requirement) to earn the Arabic Studies Certificate. These hours can be chosen in consultation with the Certificate coordinator. A minimum grade of "C" or better is required in each course.

I. Language - 4 Hours

ARB 202 - Intermediate Arabic I

II. Core - 9 hours

ARB 311 - Advanced Arabic Skills I

OR

ARB 411 - Advanced Arabic Skills II

ARB 321 - Arabic Conversation I

OR

ARB 421 - Arabic Conversation II

ARB 331 - Arabic/Islamic Culture and Literature

ARB 341 - Quran Text and Women

ARB 351 - Classical Arabic Literature

HST 372 - History of the Modern Middle East

III. Electives - 9 hours

○ ARB 394 - Special Topics (subjects vary)

○ AFS 394 - Subjects vary

○ ARB 590 - Topics vary

OR

○ ARB 598 - Topics vary

○ GCU 328 - Geography of the Middle East and North Africa

○ HST 307 - Studies in African History

- REL 365 - Islamic Civilization
- REL 366 - Islam in the Modern World
- REL 369 - Women in Islam
- REL 394 - Special Topics
- REL 460 - Topics vary
- REL 494 - Different Voices in Contemporary Islamic Discourse
- POS 494 - Different Voices in Contemporary Islamic Discourse

What you'll see on your DARS:

 NOTE: Grade of C (2.00) or better required.
 Minimum 12 upper division hours required.

--> NEEDS: 22.00 HOURS 3 SUB-GROUPS

- 1) LANGUAGE - 4 hours
 Language proficiency required (ARB 202 or higher)
 NEEDS: 4.00 HOURS
 COURSE LIST: ARB 202

- 2) CORE - 9 hours
 NEEDS: 9.00 HOURS
 COURSE LIST: ARB 311 OR ARB 411 ARB 321 OR ARB 421
 ARB 331 ARB 341 ARB 351 HST 372

- 3) ELECTIVES - 9 hours
 See Arabic Studies program coordinator for
 additional course choices.
 NEEDS: 9.00 HOURS
 COURSE LIST: ARB 394 AFS 394 [ST:*ARABIC*] ARB 590
 OR ARB 598 GCU 328 HST 307 REL 365 REL 366
 REL 369 REL 394 [ST:*INTRO* QU*] REL 460
 REL 494 [ST:*CON* ISL*] OR POS 494 [ST:*CON* ISL*]

APPLIED PSYCHOLOGY
SCHOOL OF APPLIED ARTS AND SCIENCES
2008-2009
Polytechnic Campus; 480.727.1333

Description:

The theories and methods of experimental psychology and cognitive science can be applied to many domains, making products easier to use, making work places more productive, improving the way products are sold, improving sports performance and improving the way we learn and teach. If you are interested in human perception, cognition, innovation or group processes then you may want to learn about applied psychology. Our program is hands-on, and challenging, and the field is growing quickly, creating opportunities for further study and employment.

I. Core - 13 Hours

PGS 101 - Introduction to Psychology
PSY 230 - Introduction to Statistics
PSY 290 - Research Methods
PSY 437 - Human Factors
OR
PSY 438 - Human-Computer Interaction
OR
PSY 440 - Industrial/Organizational Psychology

II. Electives - 9 Hours (Upper Division)

PGS 3 - any 300-level PGS course
PGS 4 - any 400-level PGS course
PSY 3 - any 300-level PSY course
PSY 4 - any 400-level PSY course

What you'll see on your DARS:

--> NEEDS: 2 SUB-GROUPS

- 1) CORE - 13 hours
NEEDS: 13.00 HOURS
COURSE LIST: PGS 101(R) PSY 230(R) PSY 290(R)
PSY 437 OR PSY 438 OR PSY 440

- 2) ADDITIONAL ELECTIVES - 9 Upper Division Hours
Select courses with a PSY and/or PGS prefix
Maximum of 3 credits of PGS 399 or PGS/PSY 499
or PSY 492 can be used to satisfy minor requirements
NEEDS: 9.00 HOURS
COURSE LIST: PGS 3 PGS 4 PSY 3 PSY 4

APPLIED BIOLOGICAL SCIENCES
School of Applied Arts and Sciences
2008-2009
Polytechnic Campus; 480.727.1333

Description:

The Applied Biological Sciences concentration requires 24 semester hours. Required courses are:

- BIO 187 General Biology I
- BIO 188 General Biology II
- 16 semester hours selected with the approval of an advisor in the Department of Applied Biological Sciences. At least 12 semester hours must be from an emphasis area and chosen with the approval of an advisor. At least 12 hours must also be upper division (300 and 400 level) courses offered by the Department of Applied Biological Sciences.

ANTHROPOLOGY
College of Liberal Arts & Sciences
2008-2009
SHESC 233, Ph: (480) 965-6215

Description:

For students majoring in the Bachelor of Interdisciplinary Studies (BIS) an emphasis in Anthropology requires 24 or 25 semester hours. All three of the introductory courses (ASB 102, ASM 104, and ASB 222/223) are required. The other 15 hours must be upper-division and represent all of the three subfields of anthropology. The three subfields are: (1) sociocultural anthropology (with linguistics), (2) archaeology, and (3) physical anthropology. The courses chosen to represent the three subfields must be drawn from the "Distribution Requirements" lists of those three subfields (see above). A minimum grade of "C" is required for all courses taken for the emphasis in Anthropology for BIS majors.

I. Core - 9 Hours

- ASM 104 - Bones, Stones, and Human Evolution
- ASB 102 - Topic: Intro Cul/Soc Anthro(Hc)
- ASB 222 - Buried Cities and Lost Tribes
- OR
- ASB 223 - Buried Civilizations of the Americas

II. Groups - 6 upper division hours

-Select one course from two of the three groups:

A. SOCIOCULTURAL/LINGUISTICS

- ASB 311 - Principles of Social Anthropology
- ASB 314 - Comparative Religion
- ASB 350 - Anthropology and Art
- ASB 351 - Psychological Anthropology
- ASB 353 - Death and Dying in Cross-Cultural Perspective
- ASB 412 - History of Anthropology
- ASB 416 - Economic Anthropology
- ASB 417 - Political Anthropology
- ASB 421 - Education and Society
- ASB 462 - Medical Anthropology: Culture and Health
- ASB 466 - Peoples and Cultures of Africa
- ASB 480 - Principles of Linguistics
- ASB 481 - Language and Culture
- ASB 483 - Sociolinguistics and the Ethnography of Communication
- ASB 498 - Topic: 16th Century Mexico

B. ARCHAEOLOGY

- ASB 326 - Human Impacts on Ancient Environments
- ASB 330 - Principles of Archaeology
- ASB 335 - Prehistory /Southwest
- ASB 337 - Pre-Hispanic Civilization of Middle America
- ASB 338 - Archaeology of North America

- ASB 361 - Pleistocene Archaeology
- ASB 362 - The Neolithic Revolution and its Consequences
- ASB 368 - Prehistoric and Historic Hunter-Gatherers
- ASM 338 - Anthropological Field Session
- ASM 365 - Laboratory Methods in Archaeology
- ASM 435 - Archaeological Pollen Analysis
- ASM 472 - Archaeological Ceramics
- ASB 498 - Topic: 16th Century Mexico
- ASM 494 - Topic: (Principles of Human Genetics, and Dynamic Modeling in Social and Ecological Systems)

C. PHYSICAL

- ASM 301 - Peopling of the World
- ASM 341 - Human Osteology
- ASM 342 - Human Biological Variation
- ASM 343 - Primatology
- ASM 344 - Fossil Hominids
- ASM 345 - Disease and Human Evolution
- ASM 348 - Social Issues in Human Genetics
- ASM 450 - Bioarchaeology
- ASM 452 - Dental Anthropology
- ASM 454 - Comparative Primate Anatomy
- ASM 455 - Primate Behavior Laboratory

III. Electives – 9 Hours

What you'll see on your DARS:

 NOTE: Grade of C (2.00) or better required.
 Minimum 12 upper division hours required.

--> NEEDS: 24.00 HOURS 3 SUB-GROUPS

- 1) CORE - 9 hours

NEEDS: 9.00 HOURS

COURSE LIST: ASM 104 OR ASM 101 ASB 102 ASB 222 OR
 ASB 223

- 2) GROUPS - 6 upper division hours

Select one course from two of the three groups:
 SOCIOCULTURAL/LINGUISTICS, ARCHAEOLOGY & PHYSICAL
 NEEDS: 6.00 HOURS

COURSE LIST: SOC/LING: ASB 311 OR ASB 314 OR ASB 350
 OR ASB 351 OR ASB 353 OR ASB 411 OR ASB 412 OR
 ASB 416 OR ASB 417 OR ASB 421 OR ASB 462 OR
 ASB 466 OR ASB 480 OR ASB 481 OR ASB 483 OR
 ASB 498 [*APP* ANTHRO*]

ARCHAEOLOGY: ASB 326 OR ASB 330 OR ASB 335 OR
 ASB 337 OR ASB 338 OR ASB 361 OR ASB 362 OR
 ASB 368 OR ASM 338 OR ASM 365 OR ASM 435 OR
 ASM 472 OR ASB 426 OR ASB 498 [*LITHIC* AN*] OR
 ASM 494 [*GEOARCH*]

PHYSICAL: ASM 301 OR ASM 341 OR ASM 342 OR ASM 343

OR ASM 344 OR ASM 345 OR ASM 348 OR ASM 450 OR
ASM 452 OR ASM 454 OR ASM 455

- 3) ELECTIVES - 9 upper division hours
NEEDS: 9.00 HOURS
COURSE LIST: ASB 3 ASB 4 ASM 3 ASM 4

AMERICAN STUDIES
New College of Interdisciplinary Arts & Sciences
2008-2009
West Campus FAB, Room N204, Ph: 602.543.6090

18 HOURS, MINIMUM 12 UPPER DIVISION
MINIMUM "C" (2.00) GRADE

Description:

The concentration in American Studies offers students the opportunity to pursue an interest in the interdisciplinary study of American Culture. This interdisciplinary concentration is particularly appropriate for students majoring in one of the humanities or social sciences disciplines. The concentration consists of 18 semester hours, 12 of which must be upper division hours.

I. Core – 12 Hours

AMS 301 – Introduction to American Studies
AMS 310 – American Systems
AND
AMS 311 – American Systems
OR
AMS 320 – American Cultures
AND
AMS 321 – American Cultures
AMS 330 – Introduction to American Lives

II. Supporting Courses – 6 Hours

See advisor for list

What you'll see on your DARS:

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) Core - 12 Hours
NEEDS: 12.00 HOURS
COURSE LIST: AMS 301(R) AMS 310 & AMS 311 (OR)
AMS 320 & AMS 321 AMS 330(R)

- 2) Supporting Courses - 6 Hours
COURSES MUST BE APPROVED BY AMERICAN STUDIES
PROGRAM ADVISOR
NEEDS: 6.00 HOURS

AMERICAN INDIAN STUDIES
College of Liberal Arts & Sciences
2008-2009
Agriculture Building, Room 356, Ph: 480.727.7056

I. Core - 9 Hours

- AIS 180 - Introduction to American Indian Studies
 - AIS 380 - Contemporary Issues of American Indian Studies
 - AIS 285 - Federal Indian Policy
- OR
- AIS 385 - Federal Indian Policy

II. Emphasis Areas - 9 hours

See an advisor for list

What you'll see on your DARS:

NOTE: Grade of "C" (2.00) or better required.
No pass/fail credit.
Minimum 12 hours upper division required.
Minimum 9 hours at Tempe campus required.

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) CORE - 9 hours
 NEEDS: 9.00 HOURS
 COURSE LIST: AIS 180 AIS 285 OR AIS 385 AIS 380

- 2) EMPHASIS AREAS - 9 hours
 See American Indian Studies Advisor for list.
 NEEDS: 9.00 HOURS

Aging and Lifespan Development
College of Human Services
2008-2009
602.543.6600

Requirements:

- The concentration in Gerontology requires 18 semester hours of course work.
- Students select two of the three gerontology core courses and four additional aging-related courses that are approved as electives.
- The Gerontology program allows double counting of courses from the student's two concentration areas; however, students should consult with their advisor to determine if their program has more stringent requirements.
- A 2.50 GPA or higher must be earned in the six courses.
Undergraduates may begin taking courses for the concentration upon completion of 56 semester hours with a minimum cumulative GPA of 2.00.

I. Core – 6 Hours (2 courses)

GRN 400 - Perspectives on Aging
GRN 420 - Health Aspects of Aging
PGS 427 - Psychology of Aging
GRN 494 - Special Topics (Mental Health and Aging OR Psychology of Aging)

II. Related Courses – 12 Hours

ASB 353 - Death and Dying in Cross-Cultural Perspective
OR
SOC 353 - Death and Dying in Cross-Cultural Perspective
CMN 417 - Communication and Aging
GRN 499 - Individualized Instruction
GRN 484 - Undergraduate Internship
PGS 427 - Psychology of Aging
RTM 450 - Leisure and Aging
SOC 418 - Aging and the Life Course

What you'll see on your DARS:

18 Hours, 2.50 GPA

UNDERGRADUATES: BEFORE TAKING COURSES MUST COMPLETE

56 SEMESTER HOURS WITH MINIMUM 2.00 GPA

--> NEEDS: 18 HOURS 2 SUB-GROUPS 2.50 GPA

- 1) Core - 6 Hours

NEEDS: 2 COURSES

COURSE LIST: GRN 400(R) GRN 420 PGS 427

GRN 494 [*PSYC*OF*AGI*] GRN 494 [*MEN*HEA*&*AGI*]

- 2) Related Courses selected with advisor - 12 Hours

NEEDS: 12.00 HOURS

COURSE LIST: ASB 353 OR SOC 353 COM 417 OR CMN 417

GRN 499 GRN 484 NUR 411 PGS 427 REC 450

OR RTM 450 SOC 318 SOC 418

AFRICAN & AFRICAN AMERICAN STUDIES
College of Liberal Arts & Sciences
2008-2009
Wilson Hall, Room 140, Ph: 480.965.4399

I. Core - 9 Hours

- AFH 300 - Precolonial Africa
- AFS 200 - Introduction to African and African Diaspora Studies
- AFH 319 - Black Experience in Latin America
- OR
- AFR 210 - Introduction to African American Studies
- OR
- AFS 340 - The Making of Modern Africa
- OR
- AFS 355 - Democracy and Civil Society in Africa

II. Thematic Areas - 9 Hours (Select one course from each thematic area)

A. Culture/ Literature

- AFH 303 - African and African American Art
- AFH 318 - African and African Diaspora Women Writers
- AFH 331 - Studies in African American Women Writers of Pre-Harlem Renaissance
- AFH 333 - American Ethnic Literature
- AFH 335 - Survey of African Literatures
- AFH 353 - African American Literature: Beginnings Through the Harlem Renaissance
- AFH 354 - African American Literature: Harlem Renaissance to the Present
- AFH 459 - Studies in African American/Caribbean Literatures

B. Governance

- AFS 301 - Race and Racism in Africa/African Diaspora
- AFS 304 - Islands of Globalization: Caribbean Political Economy
- AFS 320 - Africa: Politics, Environment, and Development
- AFS 327 - Human Rights in Africa
- AFS 355 - Democracy and Civil Society in Africa
- AFS 377

C. Gender/ Family

- AFR 375 - Race, Gender and Sport
- AFR 428 - Critical Race Theory
- AFR 460 - Race, Gender and Media
- AFS 312 - Contemporary African and African Diaspora Women
- AFS 360 - Black Families in the Diaspora: U.S. and Caribbean
- AFS 370 - Family, Ethnic, and Cultural Diversity

Note: At least nine hours of the 18 must be completed at ASU

What you'll see on your DARS:

NOTE: Grade of C (2.00) or better required.
Minimum 12 upper division hours required.
Minimum 9 hours must be completed at ASU.

--> NEEDS: 18.00 HOURS 2 SUB-GROUPS

- 1) CORE - 9 hours
 NEEDS: 9.00 HOURS
 COURSE LIST: AFH 300 AFS 200 AFH 319 OR AFR 210 OR
 AFS 340 OR AFS 355

- 2) THEMATIC AREAS - 9 hours
 Select one course from each thematic area
 NEEDS: 9.00 HOURS
 COURSE LIST: CULTURE/LIT: AFH 303 AFH 318 AFH 331
 AFH 333 AFH 335 AFH 353 AFH 354 AFH 459
 GOVERNANCE: AFS 301 AFS 304 AFS 320 AFS 327
 AFS 355 AFS 377(THROUGH SP06)
 GENDER/FAM AFR 375 AFR 428 AFR 460 AFS 312
 AFS 360 AFS 370

YOUTH SERVICES LEADERSHIP
College of Human Services
2008-2009
602.543.6600

18 HOURS, MINIMUM 12 UPPER DIVISION
9 HOURS OF UPPER DIVISION MUST BE COMPLETED AT ASU
MINIMUM "C" (2.00) GRADE

***Not available to Recreation and Tourism
Management majors***

Description:

The concentration consists of 12 semester hours of required courses and 6 semester hours of electives selected in consultation with a faculty advisor. At least 12 semester hours must be completed at West campus in upper division classes. To earn the concentration, students must complete all course work in the minor with a minimum grade of C (2.00).

I. Core – 12 Hours

RTM 301 – Leadership in Recreation and Tourism
RTM 303 – Programming Recreation and Tourism Services
OR
PRM 303 – Program Planning
RTM 394 – ST: Recreation and Leisure Services for Youth Development
RTM 454 – Human Services for At-Risk Youth

II. Electives – 6 Hours

CRJ 340 - The Adjudication Function
CRJ 441 - Prevention of Crime and Delinquent Behavior
CRJ 462 - Gangs
IAP 331 - Performance, Acting, and the Individual
IAP 347 - Movement in Education
PGS 341 - Developmental Psychology
PGS 443 - Abnormal Child Psychology
RTM 302 - Recreation and Tourism for Diverse Populations
OR
PRM 302 - Inclusive Community Development
OR
NLM 302 - Inclusive Community Development
OR
TDM 302 - Inclusive Community Development
RTM 303 - Programming Recreation and Tourism Services
OR
PRM 303 - Program Planning
RTM 345 - Team Building Strategies

RTM 451 - Grant Writing for Human Service Professionals
 RTM 484 - Internship
 OR
 PRM 463 - Senior Internship
 OR
 NLM 463 - Senior Internship
 OR
 TDM 463 - Senior Internship
 RTM 494 - ST: Leadership and Professional Development in Youth Services
 SOC 340 - The Sociology of Deviance
 SPE 222 - Orientation to Education of Exceptional Children
 SPE 322 - Behavior Management and Consultation

What you'll see on your DARS:

--> NEEDS: 18 Hours

2 SUB-GROUPS

- 1) Core - 12 Hours

NEEDS: 4 COURSES

COURSE LIST: RTM 301 RTM 303 OR REC 330 OR PRM 303
 RTM 394 [*REC*LEI*FOR*YO*] RTM 454

- 2) Youth Services Leadership Electives - 6 Hours

SELECT IN CONSULTATION WITH A RECREATION
 AND TOURISM MANAGEMENT FACULTY ADVISOR

Choose two courses from the following:

NEEDS: 6.00 HOURS

COURSE LIST: CRJ 340 CRJ 441 CRJ 462 IAP 331
 IAP 347 PGS 341 PGS 443 RTM 302 OR PRM 302 OR
 NLM 302 OR TDM 302 RTM 303 OR REC 303 OR REC 330
 OR PRM 303 RTM 345 RTM 451 RTM 484 OR REC 463 OR
 PRM 463 OR NLM 463 OR TDM 463
 RTM 494 [*LEAD*A*PROF*DEV*] SOC 340 SPE 222
 SPE 322

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

The history major requires students to take HST electives within one geographical concentration. Visit the History Undergraduate Advising Office for geographical concentrations and for a list of Related Fields courses.

There is room in this degree to add a concurrent degree, a minor, or a certificate.

Course Subject and Title (courses in bold/shading are critical)	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGECS: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
SLC 194: Introduction to SILC Transdisciplinary Studies	1	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Minimum 2.34 cumulative ASU GPA. Foreign Language must be offered by SILC. Contact a SILC academic advisor for approved listings. Students taking Romanian and Portuguese should be at least at the 313 level by the end of semester 1. Students taking Greek should be at least at the 301 level by the end of semester 1.
<i>Complete one course from:</i> SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy & Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C	
WAC 101: Introduction to Academic Writing ENG 101/107: First-Year Composition/English for Foreign Students ENG 102/108: First-Year Composition/ English for Foreign Students ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
MAT 142: College Mathematics (MA)	3	<input type="checkbox"/>		Grade of C	
Foreign Language ≥ 201 (see note)	3-5	<input type="checkbox"/>		Grade of C	
Social/Behavioral Science (SB)	3	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
<i>Complete remaining course from:</i> SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy & Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 cumulative ASU GPA. Foreign Language must be offered by SILC. Contact a SILC academic advisor for approved listings. Students taking Romanian and Portuguese should be at least at the 314 level by the end of semester 1. Students taking Greek should be at least at the 302 level by the end of semester 1. Meet with SILC Academic Advisor to discuss semester 3 milestones.
ENG 101/107: First-Year Composition/English for Foreign Students ENG 102/108: First-Year Composition/ English for Foreign Students ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
Foreign Language ≥ 202 (see note)	3-5	<input type="checkbox"/>		Grade of C	
TERM THREE: 31 45 CREDIT HOURS					
Historical Awareness (H)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> MILESTONE: Write personal statement and submit by end of term. MILESTONE: Receive Program of Study approval by end of term. MILESTONE: Must have cumulative 3.0 GPA in primary target language courses. Minimum 2.34 cumulative ASU GPA. Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 OR ENG 105 Complete Mathematical Studies Requirement (MA)
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>			
Social/Behavioral Science (SB)	3	<input type="checkbox"/>			
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
Foreign Language ≥ 300 (see note)	3	<input checked="" type="checkbox"/>		Grade of C	
TERM FOUR: 46 60 CREDIT HOURS					
Cultural Diversity in the US (C)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 cumulative ASU GPA. Approved Program of Study courses to be selected from approved and current Program of Study.
Approved Program of Study Course (see note)	3	<input type="checkbox"/>		Grade of C	
Approved Program of Study Course (see note)	3	<input type="checkbox"/>		Grade of C	
Natural Science – Quantitative(SQ) or General (SG)	4	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
Approved Program of Study Course (see note)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain minimum 2.34 cumulative ASU GPA (required for graduation). Approved Program of Study courses to be selected from approved and current Program of Study.
Approved Program of Study Course (see note)	3	<input type="checkbox"/>		Grade of C	
Approved Program of Study Course (see note)	3	<input type="checkbox"/>		Grade of C	
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
Approved Program of Study upper division Course (see note)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain minimum 2.34 cumulative ASU GPA (required for graduation). Approved Program of Study courses to be selected from approved and current Program of Study.
Approved Program of Study upper division Course (see note)	3	<input checked="" type="checkbox"/>		Grade of C	
Approved Program of Study upper division Course (see note)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper-Division Elective	3	<input checked="" type="checkbox"/>			
Upper Division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
Approved Program of Study upper division Course (see note)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain minimum 2.34 cumulative ASU GPA (required for graduation). Approved Program of Study courses to be selected from approved and current Program of Study. Meet with SILC Academic Advisor to prepare for final semester.
Approved Program of Study upper division Course (see note)	3	<input checked="" type="checkbox"/>		Grade of C	
Approved Program of Study upper division Course (see note)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper-Division Social/Behavioral Science (SB) or Humanities, Fine Arts & Design (HU)	3	<input checked="" type="checkbox"/>			
Upper-Division Elective	3	<input checked="" type="checkbox"/>			

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM EIGHT: 106 120 CREDIT HOURS					
SLC 498: Pro- Seminar	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> MILESTONE: Must have earned 9 (nine) upper-division hours in primary target language courses by the end of term 8. Maintain minimum 2.34 cumulative ASU GPA (required for graduation). Approved Program of Study courses to be selected from approved and current Program of Study.
Approved Program of Study upper division Course (see note)	3	<input checked="" type="checkbox"/>		Grade of C	
Approved Program of Study upper division Course (see note)	3	<input checked="" type="checkbox"/>		Grade of C	
Approved Program of Study upper division Course (see note)	3	<input checked="" type="checkbox"/>		Grade of C	

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
ITA 101: Elementary Italian I or ITA 111: Accelerated Elementary Italian (or higher level ITA course depending on placement)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses. ITA 111: Accelerated Elementary Italian is equivalent to ITA 101: Elementary Italian I and ITA 102: Elementary Italian II Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options.
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
MAT 142: College Mathematics or higher (MA)	3	<input type="checkbox"/>		Grade of C	
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Elective – 1 st Year Seminar	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
ITA 102: Elementary Italian II (or higher)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses.
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Historical Awareness (H)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
ITA 201: Intermediate Italian I (or higher) (G)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses. Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 Complete Mathematical Studies (MA)
<i>Complete one course from:</i> SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy and Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C	
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>			
Cultural Diversity in the US (C)	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
ITA 202: Intermediate Italian II (or higher) (G)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses.
<i>Complete remaining course from:</i> SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy and Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C	
Natural Science-Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
ITA 311: Italian Composition and Conversation (G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of “C” in all ITA, SLC and Italian Related Fields courses. Enroll in “IPO” Study Abroad Program credits or listed courses
ITA 325: Introduction to Italian Literature (HU)	3	<input checked="" type="checkbox"/>		Grade of C	
ITA 3** or ITA 4**	3	<input checked="" type="checkbox"/>		Grade of C	
ITA Related Field (list in DARS)	3	<input checked="" type="checkbox"/>		Grade of C	
Elective	2	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
ITA 312: Italian Composition and Conversation (G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of “C” in all ITA, SLC and Italian Related Fields courses. Enroll in “IPO” Study Abroad Program credits or listed courses
ITA 4**	3	<input checked="" type="checkbox"/>		Grade of C	
ITA Related Field (list in DARS)	3	<input type="checkbox"/>		Grade of C	
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
ITA 4**	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of “C” in all ITA, SLC and Italian Related Fields courses. Enroll in “IPO” Study Abroad Program credits or listed courses
ITA 3** or 4**	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Upper Division Humanities, Fine Arts, and Design (HU) or Social and Behavioral Sciences (SB)	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
ITA 4**	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of “C” in all ITA, SLC and Italian Related Fields courses. Enroll in “IPO” Study Abroad Program credits or listed courses
SLC 498: Pro- Seminar	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

Minimum grade of "C" in all ITA, SLC and Italian Related Fields courses

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirements Notes	
TERM ONE: 0 15 CREDIT HOURS						
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition or WAC 101: Intro to Academic Writing	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Complete First-Year Composition by end of semester 3 Complete Mathematical Studies (MA) by end of semester 3 Earn 2.50 GPA in JUS 105, 301, 302 and JUS 303 recommended Earn 2.50 ASU cumulative GPA recommended Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options 	
<i>Complete 1 course from:</i> JUS 105: Introduction to Justice Studies (SB) JUS elective	3	<input type="checkbox"/>		Grade of C		
Elective (recommend MAT prerequisite if needed)	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
ENG 101 or 102: First-Year Composition and ENG 107 or 108: English for Foreign Students or ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete First-Year Composition by end of semester 3 Complete Mathematical Studies (MA) by end of semester 3 Earn 2.50 GPA in JUS 105, 301, 302 and JUS 303 recommended Earn 2.50 ASU cumulative GPA recommended 	
<i>Complete remaining course from:</i> JUS 105: Introduction to Justice Studies (SB) JUS elective	3	<input type="checkbox"/>		Grade of C		
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>				
Humanities, Fine Arts, and Design (HU) and Awareness Area (C)	3	<input type="checkbox"/>				
MAT 142: College Mathematics (MA)	3	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
<i>Complete one course from:</i> ENG 215 Strategies of Academic Writing (L) OR ENG 216 Persuasive Writing on Public Issues (L) OR ENG 217 Writing Reflective Essays (L) OR ENG 218 Writing About Literature (L) OR ENG 301 Writing for the Professions (L)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete First-Year Composition by end of semester 3 Complete Mathematical Studies (MA) by end of semester 3 Earn 2.50 GPA in JUS 105, 301, 302 and 303 recommended Earn 2.50 ASU cumulative GPA recommended 	
Elective	3	<input type="checkbox"/>				
Humanities, Fine Arts, and Design (HU) and Awareness Areas (G)	3	<input type="checkbox"/>				
Natural Science – Quantitative or General (SQ or SG)	4	<input type="checkbox"/>				
Social and Behavioral Sciences (recommend JUS 200 Topics in Concepts & Issues of Justice) (SB)	3	<input type="checkbox"/>		Grade of C if JUS 200 taken		
TERM FOUR: 46 60 CREDIT HOURS						
JUS 301 Research in Justice Studies (SB)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum cumulative 2.50 GPA in JUS 105, 301, 302 and 303. Minimum cumulative 2.5 ASU GPA 	
JUS 302 Basic Statistical Analysis in Justice Studies (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
JUS 303 Justice Theory	3	<input checked="" type="checkbox"/>		Grade of C		
Historical Awareness (H) course	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
JUS 300-level course	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division related field or Discipline Specific Focus course	3	<input checked="" type="checkbox"/>		Grade of C		
Science & Society course	3	<input type="checkbox"/>		Grade of C		
Upper Division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
JUS 300-level course	3	<input checked="" type="checkbox"/>		Grade of C		
JUS 400-level course	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division related field or Discipline Specific Focus course	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division Science & Society course	3	<input checked="" type="checkbox"/>		Grade of C		
Elective	3	<input type="checkbox"/>				
TERM SEVEN: 91 105 CREDIT HOURS						
JUS 400-level course	3	<input checked="" type="checkbox"/>		Grade of C		
JUS 400-level course	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division related field or Discipline Specific Focus course	3	<input checked="" type="checkbox"/>		Grade of C		
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirements Notes
TERM EIGHT: 106 120 CREDIT HOURS					
J-4 JUS course (JUS 484 Internship recommended or if JUS 200 completed earlier, upper division elective)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division related field or Discipline Specific Focus course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Elective	4	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

Course Subject and Title (courses in bold/shading are critical)	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
<i>Complete 1 course from:</i> PGS 101: Introduction to Psychology (SB) KIN 200: Introduction to Kinesiology	3			Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course All critical courses must be completed by the end of semester 4 Maintain 2.5 GPA in all critical courses Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Social Behavioral Science (SB) (KIN 100 preferred)	3	<input type="checkbox"/>		Grade of C if KIN 100 completed	
Humanities, Fine Arts & Design (HU)	3				
MAT (math pre-requisite, if needed) or General Elective	3	<input type="checkbox"/>			
Elective	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
<i>Complete one course from:</i> • BIO 201: Human Anatomy/Physiology I (SG) (4) or • CHM 101: Introductory Chemistry (SQ)(4) or CHM 113: General Chemistry I (SQ) (4) or • PHY 111: General Physics (3)	4 -3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.5 GPA in all critical courses See Additional Notes below for list of courses satisfying Additional Kinesiology and Other Course Work requirement
MAT 170: Precalculus (MA)	3	<input type="checkbox"/>		Grade of C	
<i>Complete remaining course from:</i> PGS 101: Introduction to Psychology (SB) KIN 200: Introduction to Kinesiology	3			Grade of C	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
KIN course (additional KIN list)	3	<input type="checkbox"/>		Grade of C	
TERM THREE: 31 45 CREDIT HOURS					
<i>Complete one additional course from:</i> • BIO 201: Human Anatomy/Physiology I (SG) (4) or • BIO 202: Human Anatomy/Physiology II (4) (if BIO 201 completed) • CHM 101: Introductory Chemistry (SQ) (4) or CHM 113: General Chemistry I (SQ) (4) or • PHY 111: General Physics (3)	4 -3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.5 GPA in all critical courses MILESTONE: First Year Composition completed by the end of semester 3
Social & Behavioral Science (SB)	3	<input type="checkbox"/>			
Computer Science/Statistics/Quantitative Science (CS)	3	<input type="checkbox"/>			
Historical Awareness (H)	3	<input type="checkbox"/>			
Literacy & Critical Inquiry (L)	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
<i>Complete remaining courses from:</i> • BIO 201: Human Anatomy/Physiology I (SG) (4) or • BIO 202: Human Anatomy/Physiology II (4) • CHM 101: Introductory Chemistry (SQ) (4) or CHM 113: General Chemistry I (SQ) (4) or • PHY 111: General Physics (3)	4 4 -3	<input type="checkbox"/> <input type="checkbox"/>		Grade of C Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.5 GPA in all critical courses
KIN 352: Psychosocial Aspects of Physical Activity (SB, C)	3	<input checked="" type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
Global Awareness (G)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
KIN 340: Physiology of Exercise	3	<input checked="" type="checkbox"/>		Grade of C	
KIN 345: Motor & Developmental Learning	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division KIN course (additional KIN list)	3	<input checked="" type="checkbox"/>		Grade of C	
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
KIN 335: Biomechanics	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> See Additional Notes below for list of courses satisfying Additional Kinesiology and Other Course Work requirement
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division KIN course (additional KIN list)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Elective	3	<input checked="" type="checkbox"/>			
Upper division Elective:	3	<input checked="" type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
# Upper division KIN course & Literacy & Critical Inquiry (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> See Additional Notes below for list of courses satisfying Additional Kinesiology and Other Course Work requirement # The following courses will satisfy a Literacy (L) and Additional KIN List Course: KIN 414, 421, 422, 423, 441, 443, 448 & 460
Upper division KIN course (additional KIN list)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM EIGHT: 106 120 CREDIT HOURS					
Upper division KIN course (additional KIN list)	3	<input checked="" type="checkbox"/>		Grade of C	• See Additional Notes below for list of courses satisfying Additional Kinesiology and Other Course Work requirement
Upper division KIN course (additional KIN list)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division KIN course (additional KIN list)	3	<input checked="" type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 hours minimum)	Hrs Resident Credit required for Academic Recognition (56)	Major GPA (2.000 Minimum)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
- Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

Additional Kinesiology and Other Course Work

Choose 24 semester hours from among the courses below¹:

- KIN 100 Introduction to Health and Wellness SB (3)
 - KIN 191 First-Year Seminar (1–3)
 - KIN 283 Prevention and Care of Athletic Injuries (3)
 - KIN 294 ST: Introduction to Research Methods (3)
 - KIN 334 Functional Anatomy and Kinesiology (3)
 - KIN 348 Psychological Skills for Optimal Performance SB (3)
 - KIN 412 Biomechanics of the Skeletal System (3)
 - KIN 413 Qualitative Analysis in Sport Biomechanics (3)
 - KIN 414 Electromyographic Kinesiology L (3)
 - KIN 421 Human Motor Control L (3)
 - KIN 422 Motor Control in Special Populations L (3)
 - KIN 423 Motor Control and Aging L (3)
 - KIN 440 Exercise Biochemistry (3)
 - KIN 441 Physiology of Women in Sport L (3)
 - KIN 442 Fuel Metabolism (3)
 - KIN 443 Exercise Endocrinology L (3)
 - KIN 444 Metabolic Adaptations to Exercise Training (3)
 - KIN 445 Exercise Physiology for Children and Adolescents (3)
 - KIN 448 Applied Sport Psychology L (3)
 - KIN 450 Biopsychosocial Perspectives on Physical Activity and Health (3)
 - KIN 452 Exercise Psychology SB (3)
 - KIN 460 Theory of Strength Training L (3)
 - KIN 484 Internship (3-6)
 - KIN 492 Honors Directed Study: Research (1–6)
 - KIN 493 Honors Thesis (1–6)
 - KIN 494 ST: Advanced Exercise Physiology (3)
 - KIN 494 ST: EKG: Interpretation of Exercise Electrocardiogram (3)
 - KIN 494 ST: Environmental Exercise Physiology (3)
 - KIN 494 ST: Interpretation of Exercise Performance (3)
 - KIN 494 ST: Muscle Physiology (3)
 - KIN 494 ST: Neurophysiological Bases of Movement (3)
 - KIN 498 Pro-Seminar: Kinesiology and the Future (1)
 - KIN 499 Individualized Instruction (1–3)
 - BCH 361 Principles of Biochemistry (3)
 - BIO 340 General Genetics (4)
 - BIO 353 Cell Biology (3)
 - BIO 360 Animal Physiology (3)
 - CHM 231 Elementary Organic Chemistry SQ (3) *or* CHM 233 General Organic Chemistry I (3)
 - MBB 245 Introductory Cellular and Molecular Biology SQ (4)
- Students may also take other upper-division courses from BCH, BIO, BME, CHM, HPS, MBB, PGS, PHY, or PSY.
 Other KIN courses may be substituted with advisor approval.

¹A minimum of 18 semester hours must be comprised of courses with a KIN prefix.



Bachelor of Liberal Studies Degree

2008-2009 Curriculum Check Sheet

I. First Year Composition (3-6 hours)¹	ASU Hours	Trans Hours	Grade	Upp Div
ENG 101:First Year Comp 1 (3) and				
ENG 102:First Year Comp 2 (3) or, if eligible				
ENG 105: Advance First Year Comp (3)				
Sub Total (I): 3-6				

II. University General Studies (35-37 hours)

Humanities/Fine Arts & Social/Behavioral Sciences (15 hours) Required: 15 hours combined; 6 hours in one area, 9 hrs in the other **AND** one course must be upper division.

HU:				
HU:				
SB:				
SB:				
HU or SB:				X

Natural Sciences (8 hours)

SQ:				
SG :				

Literacy and Critical Inquiry (6 hours)

L:				
L:				X

Mathematics & Statistics/Computer Applications (6 hours)

MA:				
CS:				

Awareness Areas (2 courses minimum and must fulfill all 3 areas)
Double counting is permissible between Awareness Areas, other courses that fulfill graduation requirements, and within the Awareness Areas.

Global Awareness (G):				
Historical Awareness (H):				
Cultural Diversity in the US (C):				
Sub Total (II): 35-37				

Total Hours Required	Upper Division Hours Required	Resident Hours Required	Minimum GPA required	Hours Required for ASU Academic Recognition
120	45	30	2.0	56
AGEC Completed?	AA Completed?			
Y <input type="checkbox"/> or N <input type="checkbox"/>	Y <input type="checkbox"/> or N <input type="checkbox"/>			

BLS Major¹

30 hours required; all 300 – 400 level	ASU Hrs	Trans Hrs	Grade	UD
POS 301 Empirical Political Inquiry (Research Methods)				X

CLAS Humanities: AFH, AFR, ARB, ENG, FMS, HST, REL, TCL, WSH (12 hours Upper division)

				X
				X
				X
				X

CLAS Social Sciences: ASB, AFS, APA, CDE, COM, FAS, GCU, JUS, PGS, POS, SOC, TCL, WST (12 hours upper division)

		3		X
				X
				X
				X
LIA 498 Capstone				X

V. Electives (as needed for 120 total)²

¹ Grades of "C" or better are required for all courses within these categories.

² There is no specific elective or minor requirement for the BLS degree.

- This check sheet is for reference only; please consult your DARS report for official information about your requirements.

Course Subject and Title (courses in <i>bold/shading</i> are critical)	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGECE: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
MAT 270: Calculus with Analytic Geometry I (MA)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Complete all critical courses by the end of term 5 Minimum 2.60 cumulative GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation Consult an academic advisor for Learning Community, Academic Success Clusters, and First Year Seminar options
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>		Grade of C	
General Elective	3	<input type="checkbox"/>			
First Year Seminar (course w/ 191 number)	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming with Java (CS)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 5 Minimum 2.60 cumulative GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	
MAT 271: Calculus with Analytic Geometry II	4	<input type="checkbox"/>		Grade of C	
Second Language	3	<input type="checkbox"/>		Grade of C	
Social & Behavioral Science (SB)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
MAT 272: Calculus with Analytic Geometry III	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First year composition completed Complete all critical courses by the end of semester 5 Minimum 2.60 cumulative GPA in all critical requirement courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation
MAT Elective	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Second Language	4	<input type="checkbox"/>		Grade of C	
General Elective	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
MAT 243: Discrete Mathematical Structures OR MAT 300: Mathematical Structures (L)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 5 Minimum 2.60 cumulative GPA in all critical requirement courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation PHY 121/122 (SQ) advised for Natural Sciences I semester 4, also fulfills related field If MAT 243 is taken in semester 4, must take upper division Literacy in semester 6
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	<input checked="" type="checkbox"/>		Grade of C	
Social & Behavioral Science AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Natural Science Quantitative (SQ)	4	<input type="checkbox"/>			
Second Language if necessary or Elective	4	<input type="checkbox"/>		Grade of C in Second Language	
TERM FIVE: 61 75 CREDIT HOURS					
MAT 370: Intermediate Calculus OR MAT 371: Advanced Calculus I	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 5 Minimum 2.60 cumulative GPA in all critical requirement courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation Second Language requirement completed
Upper division Humanities, Fine Arts & Design (HU)	3	<input checked="" type="checkbox"/>			
Natural Science Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
Upper division MAT/STP (additional)course	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation
Upper division MAT/STP (additional)course	3	<input checked="" type="checkbox"/>		Grade of C	
Related field course	3	<input type="checkbox"/>			
Upper division Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science AND Cultural Diversity in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input checked="" type="checkbox"/>			
Upper division Literacy and Critical Inquiry (L) OR if MAT 300 completed take Upper division MAT/STP course	3	<input checked="" type="checkbox"/>			

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM SEVEN: 91 105 CREDIT HOURS					
Upper division MAT/STP (additional) course	3	<input checked="" type="checkbox"/>		Grade of C	• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation
Upper division Related Field course	3	<input checked="" type="checkbox"/>			
Upper division Related Field course	3	<input checked="" type="checkbox"/>			
Upper division general elective	3	<input checked="" type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
Upper division MAT/STP (additional) course	3	<input checked="" type="checkbox"/>		Grade of C	• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation
Upper division Related Field course	3	<input checked="" type="checkbox"/>			
Additional upper division course	3	<input checked="" type="checkbox"/>			
Upper division general elective	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

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 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0 15 CREDIT HOURS						
MAT 270: Calculus with Analytic Geometry I (MA)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Complete all critical courses by the end of semester 5 Minimum cumulative 2.60 GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options 	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
General Elective	3	<input type="checkbox"/>		Grade of C		
General Elective	3	<input type="checkbox"/>				
First Year Seminar (course w/ 191 number)	1	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
<i>Complete 1 course from:</i> CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming with Java (CS)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 5 Minimum cumulative 2.60 GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation 	
MAT 271: Calculus with Analytic Geometry II	4	<input type="checkbox"/>		Grade of C		
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C		
Social & Behavioral Science AND Cultural Diversity in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>				
General Elective	3	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
MAT 272: Calculus with Analytic Geometry III	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First year composition completed Complete all critical courses by the end of semester 5 Minimum cumulative 2.60 GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation 	
CSE 205: Concepts of Computer Science and Data Structures	3	<input type="checkbox"/>		Grade of C		
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>				
General Elective	3	<input type="checkbox"/>				
General Elective	3	<input type="checkbox"/>				
TERM FOUR: 46 60 CREDIT HOURS						
MAT 300: Mathematical Structures (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 5 Minimum cumulative 2.60 GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation PHY 121/122 (SQ) advised for Natural Sciences semester 4, also fulfills related field 	
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	<input checked="" type="checkbox"/>		Grade of C		
Social & Behavioral Science (SB)	3	<input type="checkbox"/>				
Natural Science Quantitative (SQ)	4	<input type="checkbox"/>				
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
TERM FIVE: 61 75 CREDIT HOURS						
MAT 371: Advanced Calculus I	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum cumulative 2.60 GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation 	
MAT or STP (additional) course	3	<input type="checkbox"/>		Grade of C		
Natural Science Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>				
Upper division Humanities, Fine Arts & Design (HU)	3	<input checked="" type="checkbox"/>				
Upper division general elective	3	<input checked="" type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
Upper division MAT or STP (depth) course	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation 	
MAT or STP (additional) course	3	<input type="checkbox"/>		Grade of C		
Upper division Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science AND Cultural Diversity in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input checked="" type="checkbox"/>				
Upper division Related Field course	3	<input checked="" type="checkbox"/>				
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
TERM SEVEN: 91 105 CREDIT HOURS						
Upper division MAT/STP (depth) course	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation 	
Upper division MAT/STP (advanced) course	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division Related Field	3	<input checked="" type="checkbox"/>				
General Elective	3	<input type="checkbox"/>				
General Elective	3	<input type="checkbox"/>				
TERM EIGHT: 106 120 CREDIT HOURS						
Upper division MAT/STP (advanced) course	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation 	
Upper division MAT/STP (additional) course	3	<input checked="" type="checkbox"/>		Grade of C		
General Elective	3	<input type="checkbox"/>				
General Elective	3	<input type="checkbox"/>				

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

**Major Map: Mathematics (Statistics) –
Bachelor of Science (B.S.)**
College of Liberal Arts and Sciences, Tempe Campus
Catalog Year: 2008-2009

Course Subject and Title (courses in <i>bold/shading</i> are critical)	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0 15 CREDIT HOURS						
MAT 270: Calculus with Analytic Geometry I (MA)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> ASU 101 is for ASU freshman students only Not required of transfer students An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Complete all critical courses by the end of semester 5 Minimum cumulative 2.60 GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options 	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Global Awareness (G)	3	<input type="checkbox"/>				
General Elective	3	<input type="checkbox"/>				
First Year Seminar (course w/ 191 number)	1	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
CSE 100: Principles of Programming with C++ OR CSE 110: Principles of Programming with Java	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 5 Minimum cumulative 2.60 GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation 	
MAT 271: Calculus with Analytic Geometry II	4	<input type="checkbox"/>		Grade of C		
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Social & Behavioral Science AND Cultural Diversity in the US (C), Global Awareness (G) OR Historical Awareness (H)	3	<input type="checkbox"/>				
General Elective	3	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
MAT 272: Calculus with Analytic Geometry III	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First year composition completed Complete all critical courses by the end of semester 5 Minimum cumulative 2.60 GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation 	
CSE 205: Concepts of Computer Science and Data Structures	3	<input type="checkbox"/>		Grade of C		
STP 420: Introductory Applied Statistics	3	<input checked="" type="checkbox"/>				
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C) OR Historical Awareness (H)	3	<input type="checkbox"/>				
TERM FOUR: 46 60 CREDIT HOURS						
MAT 300: Mathematical Structures (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 5 Minimum cumulative 2.60 GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation PHY 121/122 (SQ) advised for Natural Sciences I semester 4, also fulfills related field 	
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	<input checked="" type="checkbox"/>		Grade of C		
STP 429: Experimental Statistics	3	<input checked="" type="checkbox"/>		Grade of C		
Social & Behavioral Science (SB)	3	<input type="checkbox"/>				
Natural Science Quantitative (SQ)	4	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
MAT 371: Advanced Calculus I	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum cumulative 2.60 GPA in all critical courses Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation 	
STP 421: Probability	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science	3	<input checked="" type="checkbox"/>				
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
General Elective	3	<input type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
STP 427: Mathematical Statistics	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation 	
MAT or STP (advanced) course	3	<input type="checkbox"/>		Grade of C		
Natural Science Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>				
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science	3	<input checked="" type="checkbox"/>				
TERM SEVEN: 91 105 CREDIT HOURS						
Upper division MAT/STP (advanced) course	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation 	
Related Field course	3	<input type="checkbox"/>				
Related Field course	4	<input type="checkbox"/>				
Upper division general elective	3	<input checked="" type="checkbox"/>				
General Elective	2	<input type="checkbox"/>				

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM EIGHT: 106 120 CREDIT HOURS					
Upper division MAT or STP (advanced) course	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation
Upper division Related Field course	3	<input checked="" type="checkbox"/>		Grade of C	
General Elective	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGECS: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0 15 CREDIT HOURS						
CHM 113: General Chemistry I	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields MAT 251 or equivalent to be completed by end of term 2 Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options 	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
MAT 251 (MA): Calculus for Life Sciences	3	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
BIO 187: General Biology I OR BIO 188: General Biology II	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields MAT 251 or equivalent to be completed by end of term 2 	
CHM 116: General Chemistry II	4	<input type="checkbox"/>		Grade of C		
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
BIO 187: General Biology I OR BIO 188: General Biology II	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical requirement courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical requirement courses, major courses, and related fields Choose between the following combinations (8 hrs): CHM 231/235 & BCH 361/367 OR CHM 233/237 & CHM 234/238 Complete first year composition requirement 	
CHM 231 Elem Organic Chemistry & CHM 235 Laboratory OR CHM 233 Gen Organic Chemistry I & CHM 237 Laboratory	3/1	<input type="checkbox"/>		Grade of C		
STP 226: Elements of Statistics OR STP 231: Statistics for Life Science	3	<input type="checkbox"/>		Grade of C		
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C		
TERM FOUR: 46 60 CREDIT HOURS						
MIC 220: Biology of Microorganisms	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical requirement courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields Choose between the following combinations (8 hrs): CHM 231/235 & BCH 361/367 OR CHM 233/237 & CHM 234/238 	
MIC 206: Microbiology Laboratory	1	<input type="checkbox"/>		Grade of C		
CHM 234 Gen Organic Chemistry II & CHM 238 Laboratory OR, if CHM 231/235 completed take General Elective	3/1 or 4	<input type="checkbox"/>		Grade of C in CHM 234/238		
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>				
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
BIO 340: General Genetics	4	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Both MIC 302 and 401 must be completed for Literacy & Critical Inquiry (L) credit 	
MIC 302: Advanced Bacteriology Laboratory	2	<input checked="" type="checkbox"/>		Grade of C		
PHY 111: General Physics & PHY 113: Laboratory	3/1	<input type="checkbox"/>		Grade of C		
Upper Division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division general elective	3	<input checked="" type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
BCH: 361/367: Principles of Biochemistry/Laboratory OR if CHM 233/237 & 234/238 completed, take Upper division general elective	3/1 or 3	<input checked="" type="checkbox"/>		Grade of C in BCH 361/367	<ul style="list-style-type: none"> Choose between the following combinations (8 hrs): CHM 231/235 & BCH 361/367 OR CHM 233/237 & CHM 234/238 	
PHY 112: General Physics & PHY 114: Laboratory	3/1	<input type="checkbox"/>		Grade of C		
<i>Complete one course from:</i> MIC 421: Experimental Immunology (2) MIC 442: Bacterial Genetics Lab (1) MIC 446: Techniques in Molecular Biology/Genetics Lab (2) MIC 470: Bacterial Diversity & Systematics (4) MIC 484: Internship (3) MIC 494: ST: Clinical Bacteriology Lab (3) MIC 495: Undergraduate Research (2)	1, 2, 3 or 4	<input checked="" type="checkbox"/>		Grade of C		
Upper division Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				
General Elective	4	<input type="checkbox"/>				

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM SEVEN: 91 105 CREDIT HOURS						
MIC 360: Bacterial Physiology	4	<input checked="" type="checkbox"/>		Grade of C		
Upper division Major Elective	3	<input checked="" type="checkbox"/>		Grade of C		
<i>Complete one course from:</i> MIC 421: Experimental Immunology (2) MIC 442: Bacterial Genetics Lab (1) MIC 446: Techniques in Molecular Biology/Genetics Lab (2) MIC 470: Bacterial Diversity & Systematics (4) MIC 484: Internship (3) MIC 494: ST: Clinical Bacteriology Lab (3) MIC 495: Undergraduate Research (2)	1, 2, 3 or 4	<input checked="" type="checkbox"/>		Grade of C		
Upper division general elective	3	<input checked="" type="checkbox"/>				
Upper division general elective	3	<input checked="" type="checkbox"/>				
TERM EIGHT: 106 120 CREDIT HOURS						
MIC 401: Research Paper	1	<input checked="" type="checkbox"/>		Grade of C		• Both MIC 302 and 401 must be completed for Literacy & Critical Inquiry (L) credit
Upper division Major Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division Major Elective (Lab)	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division Major Elective	2	<input checked="" type="checkbox"/>		Grade of C		
Upper division General Elective	3	<input checked="" type="checkbox"/>				
Upper division General Elective	4	<input checked="" type="checkbox"/>				

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

- Humanities, Literacy and Critical Inquiry, Social Behavioral Sciences, and Science and Society courses are interchangeable in sequencing

Major Map: Molecular Biosciences and Biotechnology – Bachelor of Science (B.S.)

College of Liberal Arts and Sciences, Tempe Campus
Catalog Year: 2008-2009

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0 15 CREDIT HOURS						
CHM 113: General Chemistry I	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields MAT 251 or equivalent to be completed by end of term 2 Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options 	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
PHY 111: General Physics & PHY 113: Laboratory	3/1	<input type="checkbox"/>		Grade of C		
Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
CHM 116: General Chemistry II	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields MAT 251 or equivalent to be completed by end of term 2 	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
MAT 251: Calculus for Life Sciences (MA)	3	<input type="checkbox"/>		Grade of C		
PHY 112: General Physics & PHY 114: Laboratory	3/1	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
CHM 231 Elem Organic Chemistry & CHM 235 Laboratory OR CHM 233 Gen Organic Chemistry I & CHM 237 Laboratory	3/1	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields Choose between the following combinations (8 hrs): CHM 231/235 OR CHM 233/237 & CHM 234/238 Complete first year composition requirement 	
MBB 245: Introductory Cellular and Molecular Biology	4	<input type="checkbox"/>		Grade of C		
Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C		
TERM FOUR: 46 60 CREDIT HOURS						
MBB 247: Applied Biosciences: Biotechnology	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.0 GPA in all critical courses, major courses, and related fields Choose between the following combinations (8 hrs): CHM 231/235 OR CHM 233/237 & CHM 234/238 	
MIC 220: Biology of Microorganisms & MIC 206: Laboratory	3/1	<input type="checkbox"/>		Grade of C		
CHM 234 Gen Organic Chemistry II & CHM 238 Laboratory OR, if CHM 231/235 completed take General Elective	3/1 or 3	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
MBB 343: Genetic Engineering and Society (L)	4	<input checked="" type="checkbox"/>		Grade of C		
MBB 484 or 499: Internship	3	<input checked="" type="checkbox"/>		Grade of C		
BIO 340: General Genetics	4	<input checked="" type="checkbox"/>		Grade of C		
Upper division general elective	3	<input checked="" type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
BCH 361: Principles of Biochemistry & BCH 367: Laboratory	3/1	<input checked="" type="checkbox"/>		Grade of C		
MAT 351: Mathematical Methods for Genetic Analysis OR MAT/BIO/MBB 355: Computational Molecular Biology	3	<input checked="" type="checkbox"/>		Grade of C		
MBB 484 or 499: Internship	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
TERM SEVEN: 91 105 CREDIT HOURS						
MBB 490: Capstone (must be taken twice to secure L credit)	2	<input checked="" type="checkbox"/>		Grade of C		
Upper division Major Elective	3-5	<input checked="" type="checkbox"/>		Grade of C		
Upper division general elective	3	<input checked="" type="checkbox"/>				
Upper division general elective	3	<input checked="" type="checkbox"/>				
Upper division general elective	3	<input checked="" type="checkbox"/>				
General elective	3	<input type="checkbox"/>				
TERM EIGHT: 106 120 CREDIT HOURS						
MBB 490: Capstone (must be taken twice to secure L credit)	2	<input checked="" type="checkbox"/>		Grade of C		
Upper division general elective	3	<input checked="" type="checkbox"/>				
Upper division general elective	3	<input checked="" type="checkbox"/>				
Upper division general elective	3	<input checked="" type="checkbox"/>				
Upper division general elective	3	<input checked="" type="checkbox"/>				

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGECE: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes	
TERM ONE: 0 15 CREDIT HOURS						
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Complete Mathematical Studies (MA) by semester 4. Complete all critical courses by the end of semester 4. Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options Maintain 2.00 cumulative GPA in critical courses 	
MAT 142: College Mathematics (MA)	3	<input type="checkbox"/>		Grade of C		
Second Language	4	<input type="checkbox"/>		Grade of C		
Elective (recommend: PHI 1** - Any 3 hour 100 level PHI course)	3	<input type="checkbox"/>		Grade of C in PHI course		
Elective	3	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.00 cumulative GPA in critical courses 	
Second Language	4	<input type="checkbox"/>		Grade of C		
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>				
Elective (recommend: PHI 1** - Any 3 hour 100 level PHI course)	3	<input type="checkbox"/>		Grade of C in PHI course		
Elective	3	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			<ul style="list-style-type: none"> Maintain 2.00 cumulative GPA in critical courses Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 	
Continue Second Language if necessary or Elective	4	<input type="checkbox"/>		Grade of C		
Social and Behavioral Science (SB) and Cultural Awareness Area (C)	3	<input type="checkbox"/>				
Awareness Area – Global (G) - if needed	3	<input type="checkbox"/>				
Elective (recommend: PHI 1** - Any 3 hour 100 level PHI course)	3	<input type="checkbox"/>		Grade of C in PHI course		
TERM FOUR: 46 60 CREDIT HOURS						
PHI 300¹: Philosophical Argument and Exposition (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.00 cumulative GPA in critical courses Complete Mathematical Studies (MA) requirement. <p>¹ Open to Philosophy majors only; student must meet with advisor prior to enrolling.</p>	
Natural Science-Quantitative or General (SQ/SG)	4	<input type="checkbox"/>				
Continue Second Language if necessary or Elective	4	<input type="checkbox"/>		Grade of C		
Social and Behavioral Science (SB)	3	<input type="checkbox"/>				
Major Elective	3	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
PHI 301: History of Ancient Philosophy (HU, H)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete second language. 	
PHI 312: Theory of Knowledge (HU) or PHI 314: Philosophy of Science (HU) OR PHI 316: Metaphysics (HU) or PHI 317: Philosophy of Mind (HU)	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Major Elective	3	<input checked="" type="checkbox"/>				
Major Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
PHI 302: History of Modern Philosophy	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Select one course from PHI 312 or PHI 314 and another one from PHI 316 or PHI 317. <p>² 305 has a prerequisite of PHI 105 or PHI 306.</p>	
PHI 305 ² : Ethical Theory (HU) OR PHI 335: History of Ethics (HU)	3	<input checked="" type="checkbox"/>		Grade of C		
PHI 312: Theory of Knowledge (HU) or PHI 314: Philosophy of Science (HU) OR PHI 316: Metaphysics (HU) or PHI 317: Philosophy of Mind (HU)	3	<input checked="" type="checkbox"/>		Grade of C		
Major Elective if needed, or Elective	3	<input type="checkbox"/>		Grade of C		
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
TERM SEVEN: 91 105 CREDIT HOURS						
PHI 400-Level ³	3	<input checked="" type="checkbox"/>		Grade of C	<p>³ The 400-level requirement is met by taking two courses from the list PHI 401: Rationalism, 402: Empiricism, 403: Contemporary Analytic Philosophy, 413: Advanced Symbolic Logic, 420: Topics in Philosophy (420 may be taken multiple times.)</p>	
Upper Division Major Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Elective	3	<input checked="" type="checkbox"/>				
Upper Division Elective	3	<input checked="" type="checkbox"/>				
TERM EIGHT: 106 120 CREDIT HOURS						
PHI 4**	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Major Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Elective	3	<input checked="" type="checkbox"/>				
Upper Division Elective	3	<input checked="" type="checkbox"/>				

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGE: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
MAT 270: Calculus with Analytic Geometry I (MA)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course All critical courses must be completed by the end of semester 4 Maintain 2.6 cumulative GPA in all critical courses PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively Consult academic an advisor for Learning Community, Academic Success Clusters and First Year Seminar options
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Elective (PHY 190 preferred)	1	<input type="checkbox"/>			
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C) or Historical Awareness (H)	3	<input type="checkbox"/>			
Social & Behavioral Science (SB)	3	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
MAT 271: Calculus with Analytic Geometry II	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.6 cumulative GPA in all critical requirement courses PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively
PHY 150: Physics I (SQ)	4	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C) or Historical Awareness (H)	3	<input type="checkbox"/>			
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
TERM THREE: 31 45 CREDIT HOURS					
MAT 272: Calculus with Analytic Geometry III	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First year composition completed. All critical courses must be completed by the end of semester 4 Maintain 2.6 cumulative GPA in all critical courses PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively
PHY 151: Physics II (SQ)	4	<input type="checkbox"/>		Grade of C	
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
Social & Behavioral Science (SB) AND Global Awareness (G)	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
PHY 252: Physics III	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.6 cumulative GPA in all critical courses PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively
PHY 201: Mathematical Methods in Physics I	3	<input type="checkbox"/>		Grade of C	
PHY 333: Electronic Circuits and Measurements	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>			
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
TERM FIVE: 61 75 CREDIT HOURS					
PHY 302: Mathematical Methods in Physics II	2	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Physics Option 1A also includes an Astronomy (AST) emphasis. This course sequence replaces 15 elective credits
PHY 310: Classical Particles, Fields, and Matter I	3	<input checked="" type="checkbox"/>		Grade of C	
PHY 314: Quantum Physics I	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Elective OR AST 321: Introduction to Planetary and Stellar Astrophysics	3	<input checked="" type="checkbox"/>		Grade of C in AST 321	
General Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
PHY 311: Classical Particles, Fields, and Matter II	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Physics Option 1A also includes an Astronomy (AST) emphasis. This course sequence replaces 15 elective credits
PHY 315: Quantum Physics II	3	<input checked="" type="checkbox"/>		Grade of C	
PHY 334: Advanced Laboratory I	2	<input checked="" type="checkbox"/>		Grade of C	
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>			
Upper division elective OR AST 322: Introduction to Galactic and Extragalactic Astrophysics	3	<input type="checkbox"/>		Grade of C in AST 322	
TERM SEVEN: 91 105 CREDIT HOURS					
PHY 412: Classical Particles, Fields, and Matter III	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Physics Option 1A also includes an Astronomy (AST) emphasis. This course sequence replaces 15 elective credits
PHY 416: Quantum Physics III	3	<input checked="" type="checkbox"/>		Grade of C	
PHY 441: Statistical and Thermal Physics	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective OR AST 421: Astrophysics I	3	<input checked="" type="checkbox"/>		Grade of C in AST 421	
General Elective	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
PHY 465: Advanced Laboratory II	2	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Physics Option 1A also includes an Astronomy (AST) emphasis. This course sequence replaces 15 elective credits
Upper division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Upper division elective OR AST 422: Astrophysics II	3	<input checked="" type="checkbox"/>		Grade of C in AST 422	
Upper division elective OR AST 499: Individualized Instruction	3	<input checked="" type="checkbox"/>		Grade of C in AST 499	
General Elective	3	<input type="checkbox"/>			
General Elective	2	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

There is room in this roadmap to add a concurrent degree, minor or concentration.

Course Subject and Title (courses in bold/shading are critical)	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
MAT 270: Calculus with Analytic Geometry I (MA)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course All critical courses must be completed by the end of semester 4 Maintain 2.6 cumulative GPA in all critical courses PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively Consult academic advisor for Learning Community, Campus Match and First Year Seminar options
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Elective (PHY 190 preferred)	1	<input type="checkbox"/>			
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C) or Historical Awareness (H)	3	<input type="checkbox"/>			
Social & Behavioral Science (SB)	3	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
MAT 271: Calculus with Analytic Geometry II	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.6 cumulative GPA in all critical requirement courses PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively
PHY 150: Physics I (SQ)	4	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C) or Historical Awareness (H)	3	<input type="checkbox"/>			
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
TERM THREE: 31 45 CREDIT HOURS					
MAT 272: Calculus with Analytic Geometry III	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First year composition completed. All critical courses must be completed by the end of semester 4 Maintain 2.6 cumulative GPA in all critical courses PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively
PHY 151: Physics II (SQ)	4	<input type="checkbox"/>		Grade of C	
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
Social & Behavioral Science (SB) AND Global Awareness (G)	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
PHY 252: Physics III	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by the end of semester 4 Maintain 2.6 cumulative GPA in all critical courses PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively
PHY 201: Mathematical Methods in Physics I	3	<input type="checkbox"/>		Grade of C	
PHY 333: Electronic Circuits and Measurements	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>			
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
TERM FIVE: 61 75 CREDIT HOURS					
PHY 302: Mathematical Methods in Physics II	2	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Physics Option 2A includes an Astronomy (AST) emphasis. This course sequence replaces option II related area elective credits
PHY 310: Classical Particles, Fields, and Matter I	3	<input checked="" type="checkbox"/>		Grade of C	
PHY 314: Quantum Physics I	3	<input checked="" type="checkbox"/>		Grade of C	
Option II related area elective OR AST 321: Introduction to Planetary and Stellar Astrophysics	3	<input checked="" type="checkbox"/>		Grade of C in AST 321	
General Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
PHY 311: Classical Particles, Fields, and Matter II	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Physics Option 2A includes an Astronomy (AST) emphasis. This course sequence replaces option II related area elective credits
PHY 315: Quantum Physics II	3	<input checked="" type="checkbox"/>		Grade of C	
PHY 334: Advanced Laboratory I	2	<input checked="" type="checkbox"/>		Grade of C	
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>			
Option II related area elective OR AST 322: Introduction to Galactic and Extragalactic Astrophysics	3	<input type="checkbox"/>		Grade of C in AST 322	
TERM SEVEN: 91 105 CREDIT HOURS					
PHY 412: Classical Particles, Fields, and Matter III	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Physics Option 2A includes an Astronomy (AST) emphasis. This course sequence replaces option II related area elective credits
PHY 441: Statistical and Thermal Physics	3	<input checked="" type="checkbox"/>		Grade of C	
General Elective	3	<input checked="" type="checkbox"/>			
Option II related area elective OR AST 421: Astrophysics I	3	<input checked="" type="checkbox"/>		Grade of C in AST 421	
General Elective	3	<input type="checkbox"/>			

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM EIGHT: 106 120 CREDIT HOURS					
General Elective	2	<input checked="" type="checkbox"/>			<ul style="list-style-type: none"> Physics Option 2A includes an Astronomy (AST) emphasis. This course sequence replaces option II related area elective credits
Upper division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Option II related area elective OR AST 422: Astrophysics II	3	<input checked="" type="checkbox"/>		Grade of C in AST 422	
Option II related area elective OR AST 499: Individualized Instruction	3	<input checked="" type="checkbox"/>		Grade of C in AST 499	
General Elective	3	<input type="checkbox"/>			
General Elective	2	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

There is room in this roadmap to add a concurrent degree, minor or concentration.

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
Complete 1 course from: POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB, G) or POS 160: Global Politics (SB, G)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Complete all critical courses by the end of semester 4 Consult with academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options Complete First Year Composition requirement by the end of semester 3 Complete Math course requirement by end of semester 4 Consult with an advisor to determine proficiency and grade required.
WAC 101: Introduction to Academic Writing or ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	
MAT 142: College Mathematics or higher (MA)	3	<input type="checkbox"/>		Grade of C	
Second Language #	4	<input type="checkbox"/>			
General Elective	2	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
Complete 1 additional course from: POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB, G) or POS 160: Global Politics (SB, G)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 4 Complete First Year Composition requirement by the end of semester 3 Complete Math course requirement by end of semester 4
WAC 101: Introduction to Academic Writing or ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	
Second Language OR If language requirement completed, take Elective	4	<input type="checkbox"/>			
Natural Science Quantitative (SQ)	4	<input type="checkbox"/>			
General Elective (recommend First Year Seminar 191/194 course)	1	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
POS 210: Political Ideologies (SB)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 4 Complete First Year Composition requirement by the end of semester 3 Complete Math course requirement by end of semester 4 Choose related field course from courses with following prefixes: AES, AFH, AFR, AFS, AIS, APA, ASB, ASM, CCS, COM, CSH, CSS, , ECN, FAS, GCU, GPH, GLB, HST,HIS, JUS, MIS, PGS, PHI, PSY, REL, SGS, , SOC, TCL , WSH, WST
POS elective	3	<input type="checkbox"/>		Grade of C	
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
Humanities, Fine Arts & Design (HU) and Historical Awareness (H)	3	<input type="checkbox"/>			
Second Language OR If language requirement completed, take Elective	4	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
POS 301: Empirical Political Inquiry (SB)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 4 Complete Math course requirement by end of semester 4 Choose related field course from courses with following prefixes: AES, AFH, AFR, AFS, AIS, APA, ASB, ASM, CCS, COM, CSH, CSS, , ECN, FAS, GCU, GPH, GLB, HST,HIS, JUS, MIS, PGS, PHI, PSY, REL, SGS, , SOC, TCL , WSH, WST
POS elective (recommend POS 230: Current Issues National Politics [L or SB] or POS 260: Current Issues in International Politics [G and L or SB])	3	<input type="checkbox"/>		Grade of C	
POS Related Field	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
Second Language OR If language requirement completed, take Elective	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
Upper division POS elective	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Second language requirement must be completed with a "C" minimum Choose related field course from courses with following prefixes: AES, AFH, AFR, AFS, AIS, APA, ASB, ASM, CCS, COM, CSH, CSS, , ECN, FAS, GCU, GPH, GLB, HST,HIS, JUS, MIS, PGS, PHI, PSY, REL, SGS, , SOC, TCL , WSH, WST
Upper division Related Field course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Related Field course	3	<input checked="" type="checkbox"/>		Grade of C	
Literacy & Critical Inquiry (L) OR If L completed take, General Elective	3	<input type="checkbox"/>			
Natural Science Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
Upper division POS Elective (recommend POS 435: Women & Politics [SB, C] or POS 439: Minority Group Politics in America [SB, C])	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Choose related field course from courses with following prefixes: AES, AFH, AFR, AFS, AIS, APA, ASB, ASM, CCS, COM, CSH, CSS, , ECN, FAS, GCU, GPH, GLB, HST,HIS, JUS, MIS, PGS, PHI, PSY, REL, SGS, , SOC, TCL , WSH, WST
POS 484: Internship OR Upper division POS elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Related Field course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division General Elective	3	<input checked="" type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM SEVEN: 91 105 CREDIT HOURS					
Upper division POS Elective (POS 498 [L] recommended)	3	<input checked="" type="checkbox"/>		Grade of C	
POS 484: Internship OR Upper division POS elective	3	<input checked="" type="checkbox"/>		Grade of C	
Cultural Diversity in the US (C)OR If C requirement completed, take Elective	3	<input type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
Upper division Literacy and Critical Inquiry (L) OR If Upper division L requirement completed, take upper division General Elective	3	<input checked="" type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
General Elective	4	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

- There is room in the roadmap for a concurrent degree, minor or certificate

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
Complete 1 course from: POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB, G) or POS 160: Global Politics (SB, G)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Complete all critical courses by the end of semester 5 Consult with academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options Complete First Year Composition requirement by the end of semester 3 Complete Math course requirement by end of semester 4
WAC 101: Introduction to Academic Writing or ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	
MAT 142: College Mathematics or higher (MA)	3	<input type="checkbox"/>		Grade of C	
General Elective	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
Complete 1 additional course from: POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB, G) (or POS 160: Global Politics (SB, G)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 5 Complete First Year Composition requirement by the end of semester 3 Complete Math course requirement by end of semester 4 Choose related field course from courses with following prefixes: AES, AFH, AFR, AFS, AIS, APA, ASB, ASM, CCS, COM, CSH, CSS, , ECN, FAS, GCU, GPH, GLB, HST,HIS, JUS, MIS, PGS, PHI, PSY, REL, SGS, , SOC, TCL , WSH, WST
POS Related Field	3	<input type="checkbox"/>		Grade of C	
WAC 101: Introduction to Academic Writing or ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	
Natural Science Quantitative (SQ)	4	<input type="checkbox"/>			
General Elective (recommend First Year Seminar 191/194 course)	1	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
POS 210: Political Ideologies (SB)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 5 Complete First Year Composition requirement by the end of semester 3 Complete Math course requirement by end of semester 4 Choose related field course from courses with following prefixes: AES, AFH, AFR, AFS, AIS, APA, ASB, ASM, CCS, COM, CSH, CSS, , ECN, FAS, GCU, GPH, GLB, HST,HIS, JUS, MIS, PGS, PHI, PSY, REL, SGS, , SOC, TCL , WSH, WST
POS Related Field	3	<input type="checkbox"/>		Grade of C	
POS Elective	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) and Historical Awareness (H)	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
POS 301: Empirical Political Inquiry (SB)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 5 Complete Math course requirement by end of semester 4 Choose related field course from courses with following prefixes: AES, AFH, AFR, AFS, AIS, APA, ASB, ASM, CCS, COM, CSH, CSS, , ECN, FAS, GCU, GPH, GLB, HST,HIS, JUS, MIS, PGS, PHI, PSY, REL, SGS, , SOC, TCL , WSH, WST
POS elective (recommend POS 230: Current Issues National Politics [L or SB] or POS 260: Current Issues in International Politics [G and L or SB])	3	<input type="checkbox"/>		Grade of C	
POS Related Field	3	<input type="checkbox"/>		Grade of C	
Natural Science Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
POS 401: Political Statistics (CS)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 5 Choose related field course from courses with following prefixes: AES, AFH, AFR, AFS, AIS, APA, ASB, ASM, CCS, COM, CSH, CSS, , ECN, FAS, GCU, GPH, GLB, HST,HIS, JUS, MIS, PGS, PHI, PSY, REL, SGS, , SOC, TCL , WSH, WST http://clas.asu.edu/students/degreerequirements/scienceandsociety.htm
Upper division POS Related Field	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division POS Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Literacy & Critical Inquiry (L) OR If L completed take, General Elective	3	<input type="checkbox"/>			
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division POS Elective (recommend POS 435: Women & Politics [SB, C] or POS 439: Minority Group Politics in America [SB, C])	3	<input checked="" type="checkbox"/>		Grade of C	
TERM SIX: 76 90 CREDIT HOURS					
Upper division POS Elective (recommend POS 435: Women & Politics [SB, C] or POS 439: Minority Group Politics in America [SB, C])	3	<input checked="" type="checkbox"/>		Grade of C	http://clas.asu.edu/students/degreerequirements/scienceandsociety.htm
POS 484: Internship OR Upper division POS elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division General Elective	3	<input checked="" type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM SEVEN: 91 105 CREDIT HOURS					
Upper division POS Elective (498 [L] recommended)	3	<input checked="" type="checkbox"/>		Grade of C	
Cultural Diversity in the US (C) OR If C requirement completed, take Elective	3	<input type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
Upper division POS Elective:	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Literacy and Critical Inquiry (L) OR If Upper division L requirement completed, take upper division General Elective	3	<input checked="" type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

- There is room in the roadmap for a concurrent degree, minor or certificate

Course Subject and Title (courses in bold/shading are critical)	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGECE: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult academic advisor for Learning Community, Academic Success Clusters, and First Year Seminar options Complete First Year Composition requirement by end of semester 3
PGS 101: Introduction to Psychology (SB)	3	<input type="checkbox"/>		Grade of C	
Course with MAT prefix based on Math Placement Exam score	3	<input type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>			
General elective	3	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete First Year Composition by end of semester 3 See note 1 below in additional notes for Foundations of Behavior courses
MAT 119: Finite Math (MA)	3	<input type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>		Grade of C	
Complete one course from : <ul style="list-style-type: none"> Humanities, Fine Arts & Design (HU) Cultural Diversity in the U.S. (C), Global Awareness (G) OR Historical Awareness (H) Foundations of Behavior course 	3	<input type="checkbox"/>		Grade of C in Foundations of Behavior course	
General elective	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
PSY 230: Introduction to Statistics (CS)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First Year Composition completed by end of semester 3
First Year Composition or if completed, PGS Elective	3	<input type="checkbox"/>		Grade of C	
Second Language or, if completed General Elective	4	<input type="checkbox"/>		Grade of C in Second Language	
Natural Science – Quantitative (SQ)	4	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
PSY 290: Research Methods (L)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> See note 1 below in additional notes for Foundations of Behavior courses
Complete one course from : <ul style="list-style-type: none"> Humanities, Fine Arts & Design (HU) Cultural Diversity in the U.S. (C), Global Awareness (G) OR Historical Awareness (H) Psychology Foundations of Behavior course 	3	<input type="checkbox"/>		Grade of C in Foundations of Behavior course	
Second Language or, if completed, General Elective	4	<input type="checkbox"/>		Grade of C in Second Language	
General elective	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
Complete one course from : <ul style="list-style-type: none"> Humanities, Fine Arts & Design (HU) Cultural Diversity in the U.S. (C), Global Awareness (G) OR Historical Awareness (H) Foundations of Behavior course 	3	<input type="checkbox"/>		Grade of C in Foundations of Behavior course	<ul style="list-style-type: none"> Second language requirement completed See note 1 below in additional notes for Foundations of Behavior courses See note 2 below for Breadth within Psychology courses See note 3 for upper division PGS or PSY courses
Upper division Breadth within Psychology course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Breadth within Psychology course	3	<input checked="" type="checkbox"/>		Grade of C	
PGS or PSY elective (not from: PGS 194, PGS 270, PGS 484, or PSY 484)	3	<input type="checkbox"/>		Grade of C	
Natural Science General (SG) or Quantitative (SQ)	4	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
Complete one course from : <ul style="list-style-type: none"> Humanities, Fine Arts & Design (HU) Cultural Diversity in the U.S. (C), Global Awareness (G) OR Historical Awareness (H) Psychology Foundations of Behavior course Or if HU, awareness areas and foundations of behavior requirements completed, take elective	3	<input type="checkbox"/>		Grade of C in Foundations of Behavior course	<ul style="list-style-type: none"> See note 1 below in additional notes for Foundations of Behavior courses See note 2 below for Breadth within Psychology courses See note 2 below for Breadth within Psychology courses See note 3 for upper division PGS or PSY courses
Upper division Breadth within Psychology course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Breadth within Psychology course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Depth within Psychology course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division course with PGS or PSY prefix	3	<input checked="" type="checkbox"/>			

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM SEVEN: 91 105 CREDIT HOURS					
Complete one course from : <ul style="list-style-type: none"> Humanities, Fine Arts & Design (HU) Cultural Diversity in the U.S. (C), Global Awareness (G) OR Historical Awareness (H) Psychology Foundations of Behavior course Or if HU, awareness areas and Foundations of Behavior requirements completed, take elective	3	<input type="checkbox"/>		Grade of C in Foundations of Behavior course	<ul style="list-style-type: none"> See note 1 below in additional notes for Foundations of Behavior courses See note 4 below in additional notes for Depth within Psychology courses Contact advisor when registered for 2nd Depth within Psychology course to request a Breadth/Depth Congruency Check (psych.advisor@asu.edu) Contact advisor for suggested PSY PGS courses to fulfill Upper Division Literacy and Critical Inquiry requirement (psych.advisor@asu.edu) PGS 484, or PSY 484)
Upper division Depth within Psychology course (400 level)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division PGS/PSY elective (not from: PGS 484, or PSY 484)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Literacy & Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Upper division general elective	3	<input checked="" type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
Upper Division PGS/PSY elective (not from: PGS 484, or PSY 484) or if requirement completed, take General elective	3	<input checked="" type="checkbox"/>		Grade of C in PGS/PSY course	
Upper division General Elective	3	<input checked="" type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 hours minimum)	Hrs Resident Credit required for Academic Recognition (56)	Major GPA (2.000 Minimum)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

- Foundations of Behavior (9 hours required) related courses from any of the following prefixes: ASB, ASM, BIO, GCU, HPS, PHI, or SOC. NOTE: Students must complete a minimum of 6 hours of HU courses, three awareness courses(C, G, and H) and 9 hours of Foundations of Behavior courses; however, with careful selection, courses may be used to fulfill an HU, one or more Awareness Area(s), and/or Foundations of Behavior.
- Breadth within Psychology (Take 1 course each from 4 of the following 5 clusters (4 courses):
 - Biological: PSY 325,
 - Personality/Mental Health: PGS 315 or PGS 466,
 - Cognitive/Learning: PSY 320 or PSY 323 or PSY 324,
 - Developmental : PGS 341,
 - Social: PGS 306 or PGS 350
- Upper Division PGS/PSY: Cannot use PGS 484, PSY 484, or PGS 270 A max. of 6 hours of research may be used to satisfy the PGS/PSY Electives (e.g. PGS 399, PSY 399, PSY 492, PSY 493, PSY 499, PGS 499)
- Depth within Psychology (Take 2 additional courses from one of the clusters from which you have already taken a class in Breadth within Psychology. At least 1 of these courses must be at the 400 level):
 - Biological: PSY 424*, PSY 425*, PSY 426, PSY 470
 - Personality/Mental Health: PGS 315, PGS 365, PGS 443*, PGS 444*, PGS 462, PGS 464, PGS 465*, PGS 466, PGS 468, PGS 471, PGS 472
 - Cognitive/Learning: PSY 320, PSY 323, PSY 324, PSY 420*, PSY 434*, PSY 437*
 - Developmental: PGS 344, PGS 427*, PGS 441*, PGS 445, PGS 446*
 - Social: PGS 306, PGS 350 or 351*, PGS 430, PGS 450, PGS 452*, PGS 453, PGS 458, PGS 461
 - *Satisfies upper division "L" requirement
- Minimum of 37 hours of Psychology (PGS/PSY) coursework must be taken.

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes
TERM ONE: 0 15 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult academic advisor for Learning Community, Academic Success Cluster and First Year Seminar options Complete all critical courses by end of semester 4
Course with MAT prefix based on Math Placement Exam score	3	<input type="checkbox"/>		Grade of C	
PGS 101: Introduction to Psychology (SB)	3	<input type="checkbox"/>		Grade of C	
Complete one course from the following requirements: University General Studies Requirements (HU and/or C,G, H) and/or Foundations of Behavior	3	<input type="checkbox"/>		Foundations of Behavior – Grade of C	
General Elective	3	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> If ENG 102 or ENG 105 or ENG 108 is completed, PGS Elective (applicable to major) Contact advisor for course suggestions See Additional Notes below for appropriate Foundations of Behavior courses Complete all critical courses by end of semester 4
MAT 251: Calculus for Life Sciences or MAT 270: Calculus with Analytic Geometry I	3-4	<input type="checkbox"/>		Grade of C	
Complete an additional course from the following requirements: University General Studies Requirements (HU and/or C,G, H) and/or Foundations of Behavior	3	<input type="checkbox"/>		Foundations of Behavior – Grade of C	
Natural Science Quantitative (SQ)	4	<input type="checkbox"/>		Foundations of Behavior – Grade of C	
TERM THREE: 31 45 CREDIT HOURS					
PSY 230: Introduction to Statistics (CS)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by end of semester 4
ENG 102 or 108 or, if completed, PGS/PSY Elective	3	<input type="checkbox"/>		Grade of C	
Complete an additional course from the following requirements: University General Studies Requirements (HU and/or C,G, H) and/or Foundations of Behavior	3	<input type="checkbox"/>		Foundations of Behavior – Grade of C	
Natural Science Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
PSY 290: Research Methods (L)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by end of semester 4
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C	
Complete an additional course from the following requirements: University General Studies Requirements (HU and/or C,G, H) and/or Foundations of Behavior	3	<input type="checkbox"/>		Foundations of Behavior – Grade of C	
Complete an additional course from the following requirements: University General Studies Requirements (HU and/or C,G, H) and/or Foundations of Behavior	3	<input type="checkbox"/>		Foundations of Behavior – Grade of C	
General Elective	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
Breadth within Psychology	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> See Additional Notes below for appropriate Breadth courses
Breadth within Psychology	3	<input checked="" type="checkbox"/>		Grade of C	
PGS/PSY 399/499: Supervised Research	3	<input checked="" type="checkbox"/>		Grade of C	
CLAS Science and Society – Upper Division	3	<input checked="" type="checkbox"/>		Grade of C	
Complete an additional course from the following requirements: University General Studies Requirements (HU and/or C,G, H) and/or Foundations of Behavior				Foundations of Behavior – Grade of C	
If requirement is completed – Upper Division General Elective	3	<input checked="" type="checkbox"/>		Foundations of Behavior – Grade of C	
TERM SIX: 76 90 CREDIT HOURS					
Breadth within Psychology	3	<input checked="" type="checkbox"/>		Grade of C	
Breadth within Psychology	3	<input checked="" type="checkbox"/>		Grade of C	
PSY 330 Statistical Methods	3	<input checked="" type="checkbox"/>		Grade of C	
Depth within Psychology	3	<input checked="" type="checkbox"/>		Grade of C	
PGS/PSY Elective or if completed, Upper Division Elective	3	<input checked="" type="checkbox"/>		Grade of C	
General Elective	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
Depth within Psychology – 400 level	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> See Additional Notes below for appropriate Depth courses
Upper division Literacy and Critical Inquiry (L) or, if completed, Upper Division General Elective	3	<input checked="" type="checkbox"/>			
Complete an additional course from the following requirements: University General Studies Requirements (HU and/or C,G, H) and/or Foundations of Behavior or, if completed, Upper Division General Elective	3	<input checked="" type="checkbox"/>		Foundations of Behavior – Grade of C	
General Elective	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			

Course Subject and Title (courses in bold/shading are critical)	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes
TERM EIGHT: 106 120 CREDIT HOURS					
Upper division General Elective	3	<input checked="" type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 hours minimum)	Hrs Resident Credit required for Academic Recognition (56)	Major GPA (2.000 Minimum)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- First Year Composition (ENG 101 & 102 or ENG 107 & ENG 108 or ENG 105)
- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L) (6 credit hours, at least 3 hours must be upper division) - PSY 290 and 1 upper Division (L)
 - Mathematical Studies (MA) (3 -4 credit hours) MAT 251 or MAT 270
 - Computer/Statistics/Quantitative applications (CS) (3 credit hours)- PSY 230
 - Humanities, Fine Arts, and Design (HU) (6-9 credit hours. Combined HU/SB credits must equal 15 credit hours with at least 3 of these as upper division)
 - Social and Behavioral Sciences (SB) (6-9 credit hours. Combined HU/SB credits must equal 15 credit hours with at least 3 of these as upper division)
This requirement is generally met with PGS courses
 - Natural Science - Quantitative (SQ) (4-8 credit hours. Combined SQ/SG credit must equal 8 credit hours)
 - Natural Science - General (SG) (0-4 credit hours. Combined SQ/SG credit must equal 8 credit hours) . This requirement may not be fulfilled by PSY 290
- General Studies Awareness Requirements (These requirements may be met in conjunction with other degree requirements)
 - Cultural Diversity in the US (C) (3 credit hours)
 - Global Awareness (G) (3 credit hours)
 - Historical Awareness (H) (3 credit hours)

Additional Notes:

- Foundations of Behavior (9 hours required) related courses from any of the following prefixes: ASB, ASM, BIO, GCU, HPS, PHI, or SOC.
NOTE: One course may fulfill an HU, one or more Awareness Area(s), and/or Foundations of Behavior
- Breadth within Psychology (Take 1 course each from 4 of the following 5 clusters (4 courses):
 - Biological: PSY 325,
 - Personality/Mental Health: PGS 315 or PGS 466, Cognitive/Learning: PSY 320 or PSY 323 or PSY 324,
 - Developmental : PGS 341,
 - Social: PGS 306 or PGS 350
- Depth within Psychology (Take 2 additional courses from one of the clusters from which you have already taken a class in Breadth within Psychology. At least 1 of these courses must be at the 400 level):
 - Biological: PSY 424*, PSY 425*, PSY 426, PSY 470
 - Personality/Mental Health: PGS 315, PGS 365, PGS 443*, PGS 444*, PGS 462, PGS 464, PGS 465*, PGS 466, PGS 468, PGS 471, PGS 472
 - Cognitive/Learning: PSY 320, PSY 323, PSY 324, PSY 420*, PSY 434*, PSY 437*
 - Developmental: PGS 344, PGS 427*, PGS 441*, PGS 445, PGS 446*
 - Social: PGS 306, PGS 350 or 351*, PGS 430, PGS 450, PGS 452*, PGS 453, PGS 458, PGS 461
- Upper Division Psychology Residency Requirement: 12 credit hours of PGS/PSY courses must be completed at the Tempe or Polytechnic campuses.
- Upper Division PGS/PSY: Cannot use PGS 484, PSY 484, or PGS 270 A max. of 6 hours of research may be used to satisfy the PGS/PSY Electives (e.g. PGS 399, PSY 399, PSY 492, PSY 493, PSY 499, PGS 499)There is room in this map to add a concurrent degree, minor, or certificate
- Minimum of 37 hours of Psychology (PGS/PSY) coursework must be taken.

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGE: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes	
TERM ONE: 0 15 CREDIT HOURS						
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> ASU 101 is for ASU freshman students only Not required of transfer students An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult with academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options Recommend 2.50 cumulative GPA in REL courses. <p>Second Language: <u>recommend</u> French, German or language related to field of interest (Greek for Christian studies, Hebrew, Arabic, Spanish for Latin American, Chicano, etc)</p>	
REL Elective	3	<input type="checkbox"/>		Grade of C		
MAT 142: College Mathematics or higher (MA)	3	<input type="checkbox"/>				
Second Language:	4	<input type="checkbox"/>		Grade of C		
TERM TWO: 16 30 CREDIT HOURS						
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of B-	<ul style="list-style-type: none"> Recommend 2.50 cumulative GPA in REL courses. 	
Natural Science – Quantitative or General (SQ/SG)	4	<input type="checkbox"/>				
Second Language	4	<input type="checkbox"/>		Grade of C		
Awareness Area – Cultural (C)	3	<input type="checkbox"/>				
Elective 191 (first year seminar):	1	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
REL 2**	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Recommend 2.50 cumulative GPA in REL courses. Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 <p>Related Area represents related field credit hours required (15 hrs - upper or lower division) [POS, PHI, PSG, SOC, ASB, AFR, AFS, AIS, APA, HST Third Language, WST, HUM, and others selected in consultation with advisor.</p>	
CSE 180: Computer Literacy (CS)	3	<input type="checkbox"/>				
Second Language:	4	<input type="checkbox"/>		Grade of C		
Social and Behavioral Sciences (SB):	3	<input type="checkbox"/>				
Related Area	3	<input type="checkbox"/>		Grade of C		
TERM FOUR: 46 60 CREDIT HOURS						
REL 305: Ritual, Symbol, and Myth (L or HU)	3	<input checked="" type="checkbox"/>		Grade of B-	<ul style="list-style-type: none"> Recommend 2.50 cumulative GPA in REL courses. Related Area – see tracking term three notes 	
Related Area	3	<input type="checkbox"/>		Grade of C		
Second Language	4	<input type="checkbox"/>		Grade of C		
Elective	3	<input type="checkbox"/>				
Elective	1	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
REL 2**	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Related Area – see tracking term three notes 	
REL 3**	3	<input checked="" type="checkbox"/>		Grade of C		
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>				
Natural Science - Quantitative (SQ)	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
REL 4**	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Related Area – see tracking term three notes 	
REL 3**	3	<input checked="" type="checkbox"/>		Grade of C		
Related Area	3	<input type="checkbox"/>		Grade of C		
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
Upper Division Elective	3	<input checked="" type="checkbox"/>				
TERM SEVEN: 91 105 CREDIT HOURS						
REL 405: Problems in Religious Studies OR REL 444: Religion in Japan (HU, H, G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Related Area – see tracking term three notes 	
Related Area	3	<input checked="" type="checkbox"/>		Grade of C		
REL 3**:	3	<input checked="" type="checkbox"/>		Grade of C		
Elective	3	<input checked="" type="checkbox"/>				
Elective	3	<input checked="" type="checkbox"/>				
TERM EIGHT: 106 120 CREDIT HOURS						
REL 405: Problems in Religious Studies OR REL 444: Religion in Japan (HU, H, G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Related Area – see tracking term three notes 	
Related Area	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Literacy and Critical Inquiry (L) or Elective	3	<input checked="" type="checkbox"/>				
Upper Division Elective	3	<input checked="" type="checkbox"/>				
Upper Division Elective	3	<input checked="" type="checkbox"/>				

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGE: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
RUS 101: Elementary Russian (or higher level RUS course depending on placement)	4			Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses. Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options.
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
MAT 142: College Mathematics or higher (MA)	3	<input type="checkbox"/>		Grade of C	
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Elective – 1 st Year Seminar	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
RUS 102: Elementary Russian	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses.
ENG 101/107: First-Year Composition/English for Foreign Students ENG 102/108: First-Year Composition/English for Foreign Students ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Historical Awareness (H)	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
RUS 201: Intermediate Russian (or higher) (G)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses. Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 Complete Mathematical Studies (MA)
RUS 211: Basic Russian Conversation (G)	3	<input type="checkbox"/>		Grade of C	
<i>Complete one course from:</i> SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy and Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C	
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>			
Cultural Diversity in the US (C)	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
RUS 202: Intermediate Russian (or higher) (G)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.34 GPA required in all critical courses.
RUS 212: Basic Russian Conversation (G)	3	<input checked="" type="checkbox"/>		Grade of C	
<i>Complete one course from:</i> SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy and Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C	
Natural Science-Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
RUS 311: Russian Composition and Conversation (G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Enroll in "IPO" study Abroad Program credits or listed courses
RUS/ SLV 3** or 4**	3	<input checked="" type="checkbox"/>		Grade of C	
RUS Related Field (list in DARS)	3	<input type="checkbox"/>		Grade of C	
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>			
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
RUS 312: Russian Composition and Conversation	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Enroll in "IPO" study Abroad Program credits or listed courses
RUS 3**/4** (Literacy)	3	<input checked="" type="checkbox"/>		Grade of C	
SLV 304: Computational Linguistics of Slavic Languages (CS)	3	<input checked="" type="checkbox"/>		Grade of C	
RUS Related Field (list in DARS)	3	<input type="checkbox"/>		Grade of C	
Elective	2	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
RUS 411: Advanced Composition and Conversation I OR RUS 412: Advanced Composition and Conversation II (G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Enroll in "IPO" study Abroad Program credits or listed courses
RUS/ SLV 3**/4** (select a course that also satisfies the Literacy and Critical Inquiry (L) requirement:	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Humanities, Fine Arts, and Design (HU) or Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
RUS 498: Pro- Seminar or SLV 498: Pro- Seminar	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Enroll in "IPO" study Abroad Program credits or listed courses
SLC 498: Pro- Seminar	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Upper Division Elective	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical, concentration courses are underlined)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGE: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
WAC 101: Introduction to Academic Writing or ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> ASU 101 is for native ASU students only. Not required of transfer students. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult academic advisor for Learning Community, Academic Success Clusters, and First Year Seminar Options.
SOC 101: Introductory Sociology (SB)	3	<input type="checkbox"/>		Grade of C	
Elective (Math prerequisite if needed)	3	<input type="checkbox"/>			
Second Language	4	<input type="checkbox"/>			
Elective (LIA 294 recommended)	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
WAC 101: Introduction to Academic Writing or ENG 101 or 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	
Related Field course with Social & Behavioral Science designation (SB)	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Second Language	4	<input type="checkbox"/>			
Natural Science Quantitative (SQ)	4	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
SOC Sociology Elective	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First year composition requirement must be completed
MAT 142: College Mathematics/or higher (MA)	3	<input type="checkbox"/>			
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
Natural Science Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
SOC Sociology Elective	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> MA (MAT 142 or above) must be completed by the end of the third semester.
SOC 390: Social Statistics I (CS)	3	<input checked="" type="checkbox"/>		Grade of C	
Related Field course with Social & Behavioral Science designation (SB)	3	<input type="checkbox"/>		Grade of C	
Second Language (4 th semester CLAS Proficiency) OR if language proficiency completed, Elective	4	<input type="checkbox"/>		Grade of C in language proficiency	
Literacy & Critical Inquiry (L)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
Related Field course with Social & Behavioral Science designation (SB)	3	<input type="checkbox"/>		Grade of C	
Related Field course with Social & Behavioral Science designation (SB)	3	<input checked="" type="checkbox"/>		Grade of C	
SOC Sociology Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Second Language (G if modern language) OR Elective if language proficiency completed	4	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
SOC 391: Research Methods	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division SOC Sociology Elective	3	<input checked="" type="checkbox"/>		Grade of C	
LIA 394: Careers for CLAS	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
SOC 483: History of Social Thought OR SOC 486: Contemporary Theory	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division SOC Sociology Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Literacy & Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Elective	2	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
SOC Sociology Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Related Field course with Social & Behavioral Science designation (SB)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGECS: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0 15 CREDIT HOURS						
SPA 111: Fundamentals of Spanish (or higher level SPA course depending on placement)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> SPA 111: Fundamentals of Spanish is equivalent to SPA 101: Elementary Spanish and SPA 102: Elementary Spanish An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Minimum 2.34 GPA required in all critical courses. All freshmen are required to pass an academic success class and therefore must enroll in an Academic Success Cluster and/or a First Year Seminar 	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition or WAC 101: Intro to Academic Writing	3	<input type="checkbox"/>		Grade of C		
MAT 142: College Mathematics or higher (MA)	3	<input type="checkbox"/>		Grade of C		
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>				
Academic Success Class or First Year Seminar	1	<input type="checkbox"/>				
TERM TWO: 16 30 CREDIT HOURS						
SPA 201: Intermediate Spanish OR SPA 203: Intermediate Spanish for Bilinguals (or higher) (G)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all SPA, SLC and Spanish Related Fields courses. Minimum 2.34 GPA required in all critical courses. 	
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>				
Awareness Area - Cultural (C)	3	<input type="checkbox"/>				
Awareness Area - Historical (H)	3	<input type="checkbox"/>				
TERM THREE: 31 45 CREDIT HOURS						
SPA 201: Intermediate Spanish OR SPA 204: Intermediate Spanish for Bilinguals (or higher)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all SPA, SLC and Spanish Related Fields courses. Minimum 2.34 GPA required in all critical courses. Complete First-Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 	
SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy and Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C		
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>				
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>				
TERM FOUR: 46 60 CREDIT HOURS						
SPA 313: Spanish Conversation and Composition OR SPA 315: Spanish Conversation and Composition for Bilinguals (if necessary or Upper Division Elective) (G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all SPA, SLC and Spanish Related Fields courses. Minimum 2.34 GPA required in all critical courses. 	
SLC 201: Introduction to Linguistics OR SLC 202: Introduction to Literacy and Cultural Theory (G)	3	<input type="checkbox"/>		Grade of C		
Natural Science-Quantitative or General (SQ/SG)	4	<input type="checkbox"/>				
Computer/Statistics/Quantitative applications (CS) (SLV 304: Computational Linguistics of Slavic Languages recommended)	3	<input type="checkbox"/>				
Elective	4	<input type="checkbox"/>				
TERM FIVE: 61 75 CREDIT HOURS						
SPA 314: Spanish Conversation and Composition OR SPA 316: Spanish Conversation and Composition for Bilinguals (if necessary or Upper Division Elective)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all SPA, SLC and Spanish Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses 	
SPA 325: Introduction to Hispanic Literature (HU)	3	<input checked="" type="checkbox"/>		Grade of C		
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	2	<input type="checkbox"/>				
TERM SIX: 76 90 CREDIT HOURS						
SPA 412: Advanced Conversation and Composition	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all SPA, SLC and Spanish Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses See additional notes below for track courses 	
SPA 471: Civilization of the Spanish Southwest or SPA 472: Spanish American Civilization or SPA 473: Spanish Civilization	3	<input checked="" type="checkbox"/>		Grade of C		
SPA425: Spanish Literature	3	<input checked="" type="checkbox"/>		Grade of C		
SPA Track Course (list on page 2 and in DARS)	3	<input checked="" type="checkbox"/>		Grade of C		
SPA Track Course (list on page 2 and in DARS)	3	<input checked="" type="checkbox"/>		Grade of C		
TERM SEVEN: 91 105 CREDIT HOURS						
SPA Track Course (list on page 2 and in DARS)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all SPA, SLC and Spanish Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses See additional notes below for track courses 	
SPA Track Course (list on page 2 and in DARS)	3	<input checked="" type="checkbox"/>		Grade of C		
SPA Track Course (list on page 2 and in DARS)	3	<input checked="" type="checkbox"/>		Grade of C		
SPA Track Course (list on page 2 and in DARS)	3	<input checked="" type="checkbox"/>		Grade of C		
Upper Division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>				

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes
TERM EIGHT: 106 120 CREDIT HOURS					
SLC 498: Pro- Seminar	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum grade of "C" in all SPA, SLC and Spanish Related Fields courses. Enroll in "IPO" Study Abroad Program credits or listed courses See additional notes below for track courses
SPA Track Course (list on page 2 and in DARS)	3	<input checked="" type="checkbox"/>		Grade of C	
SPA Track Course (list on page 2 and in DARS)	3	<input checked="" type="checkbox"/>		Grade of C	
SPA Track Course (list on page 2 and in DARS)	3	<input checked="" type="checkbox"/>		Grade of C	
Humanities or Social Behavioral Sciences (if necessary) or Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total UD Hours (minimum 45)	Cumulative GPA (2.00 minimum)	Total Hrs at ASU (minimum 30)	Resident Credit for Academic Recognition (minimum 56)	Total Comm. College Hrs. (maximum 64)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

TRACK COURSES

Literature & Culture Track Courses:

- SPA 400-level Literature & Culture Elective (complete two)
- SPA 426: Spanish Literature,
- SPA 427: Spanish American Literature,
- SPA 428: Spanish American Literature or
- SPA 464: Mexican American Literature (complete three)
- SPA 429: Mexican Literature
- SPA 485: Mexican-American Short Story
- SPA 486: Mexican American Novel
- SPA 487: Mexican American Drama
- One additional course from:
 - SPA 471: Civilization of the Spanish Southwest,
 - SPA 472: Spanish American Civilization or
 - SPA 473: Spanish Civilization
 - SPA 474: Mexican Culture
 - SPA 400-level elective or POR 4** (complete two)

Linguistic Track Courses:

- SPA 400: Introduction to Spanish Linguistics,
- SPA 413: Advanced Spanish Grammar,
- SPA 417: Spanish Phonetics and Phonology, SPA 420: Applied Spanish Linguistics,
- SPA 425: Spanish Literature,
- SPA 426: Spanish Literature,
- SPA 427: Spanish American Literature,
- SPA 428: Spanish American Literature or
- SPA 464: Mexican American Literature (complete one)
- SPA 494: Language Variation,
- SPA 494: Spanish Syntax
- Upper division SPA/FLA Linguistics/Translation Course (complete two)

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0 15 CREDIT HOURS					
SHS 105: Introduction to Human Communication Disorders	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Maintain 2.8 cumulative GPA in critical courses Complete all critical courses by the end of semester 4 Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Historical Awareness (H)	3	<input type="checkbox"/>			
Elective (SHS 191 recommended)	1	<input type="checkbox"/>			
MAT prerequisite (if needed) OR General Elective	3	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
PGS 101: Introduction to Psychology (SB)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all critical courses by the end of semester 4 Maintain 2.8 cumulative GPA in critical courses
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
Humanities, Fine Arts & Design (HU) or Social & Behavioral Sciences (SB)	3	<input type="checkbox"/>			
MAT 170: Precalculus (MA)	3	<input type="checkbox"/>		Grade of C	
TERM THREE: 31 45 CREDIT HOURS					
PSY 230: Introduction to Statistics (CS)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First-year composition completed Complete all critical courses by the end of semester 4 Maintain 2.8 cumulative GPA in critical courses
<i>Complete 1 course from:</i> BIO 201: Human Anatomy/Physiology I (SG) PHY 101: Introduction to Physics (SQ)	4	<input type="checkbox"/>		Grade of C	
SHS 250: Introduction to Phonetics	3	<input type="checkbox"/>		Grade of C	
Global Awareness (G)	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
<i>Complete remaining course from:</i> BIO 201: Human Anatomy/Physiology I (SG) PHY 101: Introduction to Physics (SQ)	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> MA (math requirement) completed Complete all critical requirement courses by the end of semester 4 Maintain 2.8 cumulative GPA in critical courses
ENG 215: Strategies of Academic Writing (L)	3	<input type="checkbox"/>		Grade of C	
Cultural Diversity in the US (C)	3	<input type="checkbox"/>			
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
SHS 310: Anatomical and Physiological Bases of Speech	3	<input checked="" type="checkbox"/>		Grade of C	
SHS 311: Physical and Physiological Bases of Hearing	3	<input checked="" type="checkbox"/>		Grade of C	
SHS 367: Language Science (SB)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
SHS 375: Speech Science	3	<input checked="" type="checkbox"/>		Grade of C	
SHS 376: Psychoacoustics	3	<input checked="" type="checkbox"/>		Grade of C	
SHS 465: Speech and Language Acquisition	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
General Elective	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
SHS 401: Introduction to Audiology	3	<input checked="" type="checkbox"/>		Grade of C	
SHS 402: Clinical Methods and Treatment of Communication Disorders	3	<input checked="" type="checkbox"/>		Grade of C	
SHS 470: Developmental Speech and Language Disorders	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C	
General Elective	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
SHS 485: Acquired Speech and Language Disorders	3	<input checked="" type="checkbox"/>		Grade of C	
SHS 496: Aural Rehabilitation	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division General Elective	3	<input checked="" type="checkbox"/>			
Upper division General Elective	3	<input checked="" type="checkbox"/>			
General Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirements Notes
TERM ONE: 0 15 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course *Must demonstrate proficiency in Spanish by either successfully completing SPA 313 & 314 or SPA 315 & 316 or a TCLS comprehensive written, reading and oral examination. Requirement must be completed by end of 4th semester 2.0 minimum cumulative ASU GPA required Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options
Second language (must be Spanish (SPA) course)*	4	<input type="checkbox"/>		Grade of C SPA 202	
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Elective	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First-year composition requirement must be completed by end of term 3 2.0 minimum cumulative ASU GPA required
Second language (must be Spanish (SPA) course)*	4	<input type="checkbox"/>		Grade of C SPA 202	
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Elective or course for a minor	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
TCL 201: Transborder Society & Culture I: Interdisc Approaches	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First-Year Composition Completed 2.0 minimum cumulative ASU GPA required
Second language (must be Spanish (SPA) course* if needed, or Elective)	4	<input type="checkbox"/>		Grade of C SPA 202	
MAT 142: College Mathematics (MA)	3	<input type="checkbox"/>			
Social & Behavioral Sciences (SB) AND, if not already completed, Global Awareness (G)	3	<input type="checkbox"/>			
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
TCL 202: Transborder Society & Culture II: Contemporary Issues	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by end of term 4 2.0 minimum cumulative ASU GPA required Spanish language proficiency completed
Second language (must be Spanish (SPA) course* if needed, or Elective)	4	<input type="checkbox"/>		Grade of C SPA 202	
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
Natural Science-Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
Literacy & Critical Inquiry (L)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
TCL 303: Transborder Theory	3	<input checked="" type="checkbox"/>		Grade of C	
TCL 332: Mexican American History Since 1900 (SB, H, C)	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Literacy& Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Upper division SPA course if needed or Elective	3	<input checked="" type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
TCL 304: Transborder Research Methods	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration course	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration course	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division TCL or related field course	3	<input checked="" type="checkbox"/>		Grade of C	
TERM SEVEN: 91 105 CREDIT HOURS					
TCL 305: Transborder Practicum & Field Research	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division TCL or related field course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division TCL or related field course	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Elective or course for a minor	3	<input checked="" type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
TCL 498: Pro Seminar Capstone	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration Course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Elective or course for a minor	3	<input checked="" type="checkbox"/>			
Upper division Elective or course for a minor	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

- Courses that fulfill concentration requirements:

Media, Literature and Arts

TCL 305 Transborder Practicum & Field Research (required)
 TCL 310 Transborder Chicano/a & Latino/a Folklore of
 Southwest North America
 TCL 331 Mexican American History to 1900
 TCL 350 Transborder Mexican & Chicano/a Artistic Production
 TCL 351 Transborder Chicano/a & Latino/a Art
 TCL 352 Chicana/o Film
 TCL 363 Transborder Mexican & Chicano/a Literature of
 Southwest North America
 TCL 370 Signs of Aliens: Semiotics of Film & Popular Culture
 TCL 464 Latina/o Literature
 TCL 465 Chicana/o & Latina/o History on Film
 TCL 466 Constructing the Border on Film
 TCL 470 Race, Sex, & Identity Online
 TCL 471 Latinos in Hollywood
 TCL 485 Chicana & Latina Writers
 TCL 488 Border Global Narratives

**Transborder Community Development &
Health**

TCL 305 Transborder Practicum & Field Research (required)
 TCL 321 Transborder Community Development & Health
 (required)
 TCL 315 Chicana/o & Latina/o Family Structures
 TCL 323 Latino Health Issues
 TCL 327 Health & Migration
 TCL 331 Mexican American History to 1900
 TCL 410 Race, Medicine & the Body
 TCL 422 U.S.-Mexico Border Health
 TCL 424 Theory & Practice of Community Development &
 Health
 TCL 484 Internship

**US & Mexican Regional Immigration
Policy & Economy**

TCL 305 Transborder Practicum & Field Research
 (required)
 TCL 314 Transborder Regional Immigration and
 Economy (required)
 TCL 315 Chicana/o and Latina/o Family Structures
 TCL 331 TCL 331 Mexican American History to 1900
 TCL 335 Historical Studies in Race, Crime, & the Law
 TCL 340 Chicana/o & Latina/o Politics & Policy
 TCL 341 Policy Issues in Chicana/o & Latina/o Urban
 Settings
 TCL 342 Social Demographics of Latino Populations
 TCL 443 Political Ecology of the Border
 TCL 444 The Ethnography of Mexican Border Rural
 Settings
 TCL 484 Internship

- There is room in this roadmap to add a concurrent degree, a minor or a certificate.

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirements Notes
TERM ONE: 0 15 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course *Must demonstrate proficiency in Spanish by either successfully completing SPA 313 & 314 or SPA 315 & 316 or a TCLS comprehensive written, reading and oral examination. Requirement must be completed by end of 4th semester 2.0 minimum cumulative ASU GPA required Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options
Second language (must be Spanish (SPA) course)*	4	<input type="checkbox"/>		Grade of C SPA 202	
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Elective	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First-year composition requirement must be completed by end of term 3 2.0 minimum cumulative ASU GPA required
Second language (must be Spanish (SPA) course)*	4	<input type="checkbox"/>		Grade of C SPA 202	
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Elective or course for a minor	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
TCL 201: Transborder Society & Culture I: Interdisc Approaches	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First-Year Composition Completed 2.0 minimum cumulative ASU GPA required
Second language (must be Spanish (SPA) course* if needed, or Elective)	4	<input type="checkbox"/>		Grade of C SPA 202	
MAT 142: College Mathematics (MA)	3	<input type="checkbox"/>			
Social & Behavioral Sciences (SB) AND, if not already completed, Global Awareness (G)	3	<input type="checkbox"/>			
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
TCL 202: Transborder Society & Culture II: Contemporary Issues	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by end of term 4 2.0 minimum cumulative ASU GPA required Spanish language proficiency completed
Second language (must be Spanish (SPA) course* if needed, or Elective)	4	<input type="checkbox"/>		Grade of C SPA 202	
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
Natural Science-Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
Literacy & Critical Inquiry (L)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
TCL 303: Transborder Theory	3	<input checked="" type="checkbox"/>		Grade of C	
TCL 332: Mexican American History Since 1900 (SB, H, C)	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Literacy& Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Upper division SPA course if needed or Elective	3	<input checked="" type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
TCL 304: Transborder Research Methods	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration course	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration course	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division TCL or related field course	3	<input checked="" type="checkbox"/>		Grade of C	
TERM SEVEN: 91 105 CREDIT HOURS					
TCL 305: Transborder Practicum & Field Research	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division TCL or related field course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division TCL or related field course	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Elective or course for a minor	3	<input checked="" type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
TCL 498: Pro Seminar Capstone	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration Course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Elective or course for a minor	3	<input checked="" type="checkbox"/>			
Upper division Elective or course for a minor	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

- Courses that fulfill concentration requirements:

Media, Literature and Arts

TCL 305 Transborder Practicum & Field Research (required)
 TCL 310 Transborder Chicano/a & Latino/a Folklore of
 Southwest North America
 TCL 331 Mexican American History to 1900
 TCL 350 Transborder Mexican & Chicano/a Artistic Production
 TCL 351 Transborder Chicano/a & Latino/a Art
 TCL 352 Chicana/o Film
 TCL 363 Transborder Mexican & Chicano/a Literature of
 Southwest North America
 TCL 370 Signs of Aliens: Semiotics of Film & Popular Culture
 TCL 464 Latina/o Literature
 TCL 465 Chicana/o & Latina/o History on Film
 TCL 466 Constructing the Border on Film
 TCL 470 Race, Sex, & Identity Online
 TCL 471 Latinos in Hollywood
 TCL 485 Chicana & Latina Writers
 TCL 488 Border Global Narratives

**Transborder Community Development &
Health**

TCL 305 Transborder Practicum & Field Research (required)
 TCL 321 Transborder Community Development & Health
 (required)
 TCL 315 Chicana/o & Latina/o Family Structures
 TCL 323 Latino Health Issues
 TCL 327 Health & Migration
 TCL 331 Mexican American History to 1900
 TCL 410 Race, Medicine & the Body
 TCL 422 U.S.-Mexico Border Health
 TCL 424 Theory & Practice of Community Development &
 Health
 TCL 484 Internship

**US & Mexican Regional Immigration
Policy & Economy**

TCL 305 Transborder Practicum & Field Research
 (required)
 TCL 314 Transborder Regional Immigration and
 Economy (required)
 TCL 315 Chicana/o and Latina/o Family Structures
 TCL 331 TCL 331 Mexican American History to 1900
 TCL 335 Historical Studies in Race, Crime, & the Law
 TCL 340 Chicana/o & Latina/o Politics & Policy
 TCL 341 Policy Issues in Chicana/o & Latina/o Urban
 Settings
 TCL 342 Social Demographics of Latino Populations
 TCL 443 Political Ecology of the Border
 TCL 444 The Ethnography of Mexican Border Rural
 Settings
 TCL 484 Internship

- There is room in this roadmap to add a concurrent degree, a minor or a certificate.

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirements Notes
TERM ONE: 0 15 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course *Must demonstrate proficiency in Spanish by either successfully completing SPA 313 & 314 or SPA 315 & 316 or a TCLS comprehensive written, reading and oral examination. Requirement must be completed by end of 4th semester 2.0 minimum cumulative ASU GPA required Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options
Second language (must be Spanish (SPA) course)*	4	<input type="checkbox"/>		Grade of C SPA 202	
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Elective	1	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First-year composition requirement must be completed by end of term 3 2.0 minimum cumulative ASU GPA required
Second language (must be Spanish (SPA) course)*	4	<input type="checkbox"/>		Grade of C SPA 202	
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Elective or course for a minor	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
TCL 201: Transborder Society & Culture I: Interdisc Approaches	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> First-Year Composition Completed 2.0 minimum cumulative ASU GPA required
Second language (must be Spanish (SPA) course* if needed, or Elective)	4	<input type="checkbox"/>		Grade of C SPA 202	
MAT 142: College Mathematics (MA)	3	<input type="checkbox"/>			
Social & Behavioral Sciences (SB) AND, if not already completed, Global Awareness (G)	3	<input type="checkbox"/>			
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
TCL 202: Transborder Society & Culture II: Contemporary Issues	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> All critical courses must be completed by end of term 4 2.0 minimum cumulative ASU GPA required Spanish language proficiency completed
Second language (must be Spanish (SPA) course* if needed, or Elective)	4	<input type="checkbox"/>		Grade of C SPA 202	
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
Natural Science-Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>			
Literacy & Critical Inquiry (L)	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
TCL 303: Transborder Theory	3	<input checked="" type="checkbox"/>		Grade of C	
TCL 332: Mexican American History Since 1900 (SB, H, C)	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Literacy& Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Upper division SPA course if needed or Elective	3	<input checked="" type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
TCL 304: Transborder Research Methods	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration course	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration course	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division TCL or related field course	3	<input checked="" type="checkbox"/>		Grade of C	
TERM SEVEN: 91 105 CREDIT HOURS					
TCL 305: Transborder Practicum & Field Research	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division TCL or related field course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division TCL or related field course	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Elective or course for a minor	3	<input checked="" type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
TCL 498: Pro Seminar Capstone	3	<input checked="" type="checkbox"/>		Grade of C	
Concentration Course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Elective or course for a minor	3	<input checked="" type="checkbox"/>			
Upper division Elective or course for a minor	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

- Courses that fulfill concentration requirements:

Media, Literature and Arts

TCL 305 Transborder Practicum & Field Research (required)
 TCL 310 Transborder Chicano/a & Latino/a Folklore of Southwest North America
 TCL 331 Mexican American History to 1900
 TCL 350 Transborder Mexican & Chicano/a Artistic Production
 TCL 351 Transborder Chicano/a & Latino/a Art
 TCL 352 Chicana/o Film
 TCL 363 Transborder Mexican & Chicano/a Literature of Southwest North America
 TCL 370 Signs of Aliens: Semiotics of Film & Popular Culture
 TCL 464 Latina/o Literature
 TCL 465 Chicana/o & Latina/o History on Film
 TCL 466 Constructing the Border on Film
 TCL 470 Race, Sex, & Identity Online
 TCL 471 Latinos in Hollywood
 TCL 485 Chicana & Latina Writers
 TCL 488 Border Global Narratives

Transborder Community Development & Health

TCL 305 Transborder Practicum & Field Research (required)
 TCL 321 Transborder Community Development & Health (required)
 TCL 315 Chicana/o & Latina/o Family Structures
 TCL 323 Latino Health Issues
 TCL 327 Health & Migration
 TCL 331 Mexican American History to 1900
 TCL 410 Race, Medicine & the Body
 TCL 422 U.S.-Mexico Border Health
 TCL 424 Theory & Practice of Community Development & Health
 TCL 484 Internship

US & Mexican Regional Immigration Policy & Economy

TCL 305 Transborder Practicum & Field Research (required)
 TCL 314 Transborder Regional Immigration and Economy (required)
 TCL 315 Chicana/o and Latina/o Family Structures
 TCL 331 TCL 331 Mexican American History to 1900
 TCL 335 Historical Studies in Race, Crime, & the Law
 TCL 340 Chicana/o & Latina/o Politics & Policy
 TCL 341 Policy Issues in Chicana/o & Latina/o Urban Settings
 TCL 342 Social Demographics of Latino Populations
 TCL 443 Political Ecology of the Border
 TCL 444 The Ethnography of Mexican Border Rural Settings
 TCL 484 Internship

- There is room in this roadmap to add a concurrent degree, a minor or a certificate.

Course Subject and Title <i>(courses in bold/shading are critical, concentration courses are underlined)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGECE: <input type="checkbox"/> Yes <input type="checkbox"/> No
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes
TERM ONE: 0 15 CREDIT HOURS					
WST 100: Women and Society (SB, C)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options Maintain 2.00 cumulative GPA in critical courses
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	
MAT 142: College Mathematics or higher (MA)	3	<input type="checkbox"/>		Grade of C	
Natural Science – Quantitative (SQ)	4	<input type="checkbox"/>			
TERM TWO: 16 30 CREDIT HOURS					
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.00 cumulative GPA in critical courses CSE 180 recommended for CS
WSH/WST Elective	3	<input type="checkbox"/>		Grade of C	
Natural Science – Quantitative or General (SQ/SG)	4	<input type="checkbox"/>			
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>			
TERM THREE: 31 45 CREDIT HOURS					
WSH/WST Elective	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.00 cumulative GPA in critical courses Complete First Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or 105 Complete Mathematical Studies (MA) requirement
Upper Division WSH/WST Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts, and Design (HU):	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM FOUR: 46 60 CREDIT HOURS					
WST 377: History of American Feminist Thought (C) OR WST 378: Global Feminist Theory (L, C, G)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain 2.00 cumulative GPA in critical courses
Related Field (list in DARS)	3	<input checked="" type="checkbox"/>		Grade of C	
Humanities, Fine Arts, and Design (HU) and Historical (H)	3	<input type="checkbox"/>		Grade of C	
Second Language	4	<input type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
TERM FIVE: 61 75 CREDIT HOURS					
WSH 385: American Indian Women WSH 420: Women of Color in Film WST 373: Latina/Chicana Issues (SB, C) WST 380: Gender, Race, and Class (L or SB) & C OR	3	<input checked="" type="checkbox"/>		Grade of C	
Related Field (list in DARS)	3	<input checked="" type="checkbox"/>		Grade of C	
Second Language (G if modern language)	4	<input type="checkbox"/>		Grade of C	
Awareness Area – Global (G) – if not taken through language	3	<input type="checkbox"/>			
Literacy and Critical Inquiry (L):	3	<input type="checkbox"/>			
TERM SIX: 76 90 CREDIT HOURS					
WSH/WST Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Related Field (list in DARS)	3	<input checked="" type="checkbox"/>		Grade of C	
Related Field (list in DARS)	3	<input checked="" type="checkbox"/>		Grade of C	
Second Language (4 th semester CLAS Proficiency)	4	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM SEVEN: 91 105 CREDIT HOURS					
WST 484: Internship	3	<input checked="" type="checkbox"/>		Grade of C	
WSH/WST Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Related Field (list in DARS)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Elective:	3	<input checked="" type="checkbox"/>			
Elective:	3	<input type="checkbox"/>			
TERM EIGHT: 106 120 CREDIT HOURS					
WST 498: Professional Seminar (L)	3	<input checked="" type="checkbox"/>		Grade of C	
WSH/WST Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper Division Elective	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.00 Min.)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

There is room in this roadmap to add a concurrent degree, a minor or a certificate.