

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
+ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> + ASU 101-FSE and MAE 100 required for freshmen and should be completed first semester. Non-freshmen see advisor for petitioning replacement electives. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course *CHM 113 is a prerequisite and does not apply towards degree credit **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. Maintain minimum ASU cumulative GPA of 2.0
CHM 114: General Chemistry for Engineers (SQ) OR CHM 115: General Chemistry with Qualitative Analysis (SQ) OR CHM 116: General Chemistry II * (SQ)	4	<input type="checkbox"/>		Grade of C		
+MAE 100: Introduction to Mechanical and Aerospace Engineering (or School approved elective)	2	<input type="checkbox"/>		Grade of C in MAE 100		
MAT 265: Calculus for Engineers I (MA)	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		
TERM TWO: 16-30 CREDIT HOURS						
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0 	
PHY 121/122: University Physics I/ Laboratory I (SQ)	3/1	<input type="checkbox"/>		Grade of C		
BME 111: Engineering Perspectives on Biological Systems	3	<input type="checkbox"/>				
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 Diversity in the US (C), Global Awareness (G), or Historical Awareness (H)	3	<input type="checkbox"/>				
TERM THREE: 31-45 CREDIT HOURS						
MAE 212: Engineering Mechanics	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete 10 critical courses by end of term 3. Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 	
MAT 275: Modern Differential Equations	3	<input type="checkbox"/>		Grade of C		
PHY 131/132: University Physics II Electricity and Magnetism/University Physics Laboratory II (SQ)	3/1	<input type="checkbox"/>		Grade of C		
MAT 267: Calculus for Engineers III	3	<input type="checkbox"/>		Grade of C		
TERM FOUR: 46-60 CREDIT HOURS						
MAE 213: Solid Mechanics	3	<input type="checkbox"/>		Grade of C		
MAE 240: Thermofluids I	4	<input type="checkbox"/>		Grade of C		
MAE 214: Computer-Aided Engineering I	1	<input type="checkbox"/>		Grade of C		
EEE 202: Circuits I	4	<input type="checkbox"/>		Grade of C		
MAT 343: Applied Linear Algebra	3	<input checked="" type="checkbox"/>		Grade of C		
TERM FIVE: 61-75 CREDIT HOURS						
MAE 318: Sensors and Controls	5	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> MAE 360 and 362 must be completed for L credit. 	
MAE 322: Structural Mechanics	4	<input checked="" type="checkbox"/>		Grade of C		
MAE 360: Aerodynamics (L)	4	<input checked="" type="checkbox"/>		Grade of C		
MAE 384: Numerical Methods for Engineers (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
TERM SIX: 76-90 CREDIT HOURS						
MAE 313: Aircraft Dynamics and Control	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> MAE 360 and 362 must be completed for L credit. 	
MAE 344: Fundamentals of Aerospace Design	3	<input checked="" type="checkbox"/>		Grade of C		
MAE 362: High-Speed Aerodynamics (L)	4	<input checked="" type="checkbox"/>		Grade of C		
MAE 462: Space Vehicle Dynamics and Control	3	<input checked="" 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 SEVEN: 91-105 CREDIT HOURS						
MAE 415: Vibration Analysis	3	<input checked="" 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 checked="" type="checkbox"/>		Grade of C		
MAE 463: Propulsion	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"/>				
Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C		
TERM EIGHT: 106-120 CREDIT HOURS						
MAE 400: Engineering Profession (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> See advisor for approved electives. 	
MAE 468: Aerospace Systems Design (L)	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division technical elective	3	<input checked="" type="checkbox"/>		Grade of C		
General Elective	3	<input type="checkbox"/>				
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>				

Graduation Requirements Summary:

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

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 Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
+ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				+ ASU 101-FSE and SES 100 or MAE 100 required for freshmen and should be completed first semester. Non-freshmen see advisor for approved electives. <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 *CHM 113 is a prerequisite and does not apply towards degree credit **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. Maintain minimum ASU cumulative GPA of 2.0
CHM 114: General Chemistry for Engineers(SQ) OR CHM 115: General Chemistry with Qualitative Analysis (SQ) OR CHM 116: General Chemistry II* (SQ)	4	<input type="checkbox"/>		Grade of C		
+SES 100: Introduction to Exploration (3) or MAE 100: Introduction to Mechanical Engineering (2), or School approved elective	3 or 2	<input type="checkbox"/>		Grade of C in SES 100/MAE 100		
MAT 265: Calculus for Engineers I (MA)	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		
TERM TWO: 16-30 CREDIT HOURS						
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0 	
PHY 121/122: University Physics I/Laboratory I (SQ)	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		
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						
MAE 212: Engineering Mechanics	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete 10 critical courses by end of term 3. Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 	
MAT 267: Calculus for Engineers III	3	<input type="checkbox"/>		Grade of C		
MAT 275: Modern Differential Equations	3	<input type="checkbox"/>		Grade of C		
PHY 131/132: University Physics II Electricity and Magnetism/ Laboratory II (SQ)	3/1	<input type="checkbox"/>		Grade of C		
TERM FOUR: 46-60 CREDIT HOURS						
MAE 213: Solid Mechanics	3	<input type="checkbox"/>		Grade of C		
MAE 214: Computer-Aided Engineering I	1	<input type="checkbox"/>		Grade of C		
MAE 240: Thermofluids I	4	<input type="checkbox"/>		Grade of C		
EEE 202: Circuits I	4	<input type="checkbox"/>		Grade of C		
MAT 343: Applied Linear Algebra	3	<input checked="" type="checkbox"/>		Grade of C		
TERM FIVE: 61-75 CREDIT HOURS						
MAE 318: Sensors and Controls	5	<input checked="" type="checkbox"/>		Grade of C		
MAE 345: Structures in a Space Environment	4	<input checked="" type="checkbox"/>		Grade of C		
MAE 384: Numerical Methods for Engineers (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
EEE 203: Signals & Systems I	3	<input type="checkbox"/>		Grade of C		
TERM SIX: 76-90 CREDIT HOURS						
MAE 362: High-Speed Aerodynamics (L)	4	<input checked="" type="checkbox"/>		Grade of C	MAE 360 and MAE 362 must be completed to receive L credit	
MAE 462: Space Vehicle Dynamics and Control	3	<input checked="" type="checkbox"/>		Grade of C		
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
SES 311: Essentials of Astrobiology, Life in the Universe or BIO 181 or 182: General Biology I or II (4) or BIO 201: Human Anatomy and Physiology (4) or BME 111: Engineering Perspectives on Biological Systems (3)	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 SEVEN: 91-105 CREDIT HOURS						
EEE 304: Signals & Systems II	4	<input checked="" type="checkbox"/>		Grade of C		
MAE 400: Engineering Profession (L)	3	<input checked="" type="checkbox"/>		Grade of C		
MAE 465: Rocket Propulsion	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>				
TERM EIGHT: 106-120 CREDIT HOURS						
MAE 480: Space Systems Design	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division Aeronautics Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division Technical 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"/>				
General Elective	3	<input type="checkbox"/>				

Graduation Requirements Summary:

Total Hours Regular Curriculum (120)	Total Hrs at ASU (30 min)	Hrs Resident Credit for Academic Recognition (56 min)	Major GPA (2.000 Min cum GPA.)	Total UD Hrs (45 min)	Total Comm. College Hrs. (64 Max)

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	Competed Transfer Pathway:		Completed General Education:
			<input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None	Transfer Course/Grade	
TERM ONE: 0-15 CREDIT HOURS					
ASU 101-FSE: The ASU Experience	1	<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 * CHM 113 is a prerequisite and does not apply towards degree credit ** If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. Maintain minimum ASU cumulative GPA of 2.0
BME 100: Introduction to Bioengineering OR BME 111/112: Engineering Perspectives on Biological Systems/Laboratory or BIO 181: General Biology II (SQ)	2 or 4	<input type="checkbox"/>		Grade of C in BME 111/112 or BIO 181	
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II *	4	<input type="checkbox"/>		Grade of C	
MAT 265: Calculus for Engineers I (MA)	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	
TERM TWO: 16-30 CREDIT HOURS					
BME 100: Introduction to Bioengineering OR BME 111/112: Engineering Perspectives on Biological Systems/Laboratory or BIO 181: General Biology II (SQ)	2 or 4	<input type="checkbox"/>		Grade of C in BME 111/112 or BIO 181	<ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>		Grade of C	
PHY 121/122: University Physics I/Laboratory I (SQ)	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					
BME 235: Physiology for Engineers	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete 11-12 critical courses by end of term 3. Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105
MAT 267: Calculus for Engineers III	3	<input type="checkbox"/>		Grade of C	
PHY 131/132: University Physics Electricity and Magnetism II/ Laboratory II (SQ)	3/1	<input type="checkbox"/>		Grade of C	
CHM 231/235: Elementary Organic Chemistry/Laboratory or CHM 233/237: General Organic Chemistry I/Laboratory I	3/1	<input type="checkbox"/>		Grade of C	
CSE 100: Principles of Programming with C++ (CS)	3	<input type="checkbox"/>			
TERM FOUR: 46-60 CREDIT HOURS					
BME 200: Conservation Principles of Bioengineering	3	<input type="checkbox"/>		Grade of C	
EEE 202: Circuits I	4	<input type="checkbox"/>		Grade of C	
MAE 212: Engineering Mechanics	4	<input type="checkbox"/>		Grade of C	
MAT 275: Modern Differential Equations (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"/>			
TERM FIVE: 61-75 CREDIT HOURS					
# BME 318: Biomaterials	4	<input checked="" type="checkbox"/>			# Designates Major Course: A minimum cumulative GPA of 2.0 required.
# BME 350: Signals and Systems for Bioengineering	3	<input checked="" type="checkbox"/>			
# CHM 341: Elementary Physical Chemistry	3	<input checked="" type="checkbox"/>		Grade of C	
# MAT 343: Applied Linear Algebra	3	<input checked="" type="checkbox"/>			
# IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	<input checked="" type="checkbox"/>			
TERM SIX: 76-90 CREDIT HOURS					
# BME 300: Bioengineering Product Design	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required.
# BME 331: Bioengineering Transport Phenomena	3	<input checked="" type="checkbox"/>			
# BME 370: Microcomputer Applications in Bioengineering	4	<input checked="" 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"/>			
Social & Behavioral Science (SB) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
TERM SEVEN: 91-105 CREDIT HOURS					
# BME 413: Biomedical Instrumentation(BME 413 & 423 = L)	3	<input checked="" type="checkbox"/>			# Designates Major Course: A minimum cumulative GPA of 2.0 required.
# BME 417: Biomedical Engineering Capstone Design I (L)	4	<input checked="" type="checkbox"/>		Grade of C	
# BME 423: Biomedical Instrumentation Laboratory	1	<input checked="" type="checkbox"/>			
# BME 434: Applications of Bioengineering OR # BME 416: Biomechanics OR # BME 419: Biocontrol Systems	3	<input checked="" type="checkbox"/>			
Social & Behavioral Science (SB) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	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					
# BME 490: Biomedical Engineering Capstone Design II	4	<input checked="" type="checkbox"/>			# Designates Major Course: A minimum cumulative GPA of 2.0 required.
# Technical Elective	3	<input checked="" type="checkbox"/>			
# Technical Elective	2	<input checked="" type="checkbox"/>			
UD Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input checked="" type="checkbox"/>			

Graduation Requirements Summary:

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

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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 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed Transfer Pathway:		Minimum Grade if Required	Completed General Education:		Additional Critical Requirement Notes
			<input type="checkbox"/> MAPP	<input type="checkbox"/> TAG		<input type="checkbox"/> ATP	<input type="checkbox"/> None	
TERM ONE: 0-15 CREDIT HOURS								
ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>						<ul style="list-style-type: none"> ASU 101-FSE should be completed first semester. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. # Designates Major Course: A minimum ASU cumulative GPA of 2.0 required in major courses. Maintain minimum ASU cumulative GPA of 2.0
#CHE 100: Introduction to Chemical Engineering	2	<input type="checkbox"/>			Grade of C			
CHM 113: General Chemistry I (SQ)	4	<input type="checkbox"/>						
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 265: Calculus for Engineers I	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"/>						
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"> Maintain minimum ASU cumulative GPA of 2.0
CHM 116: General Chemistry II (SQ)	4	<input type="checkbox"/>			Grade of C			
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>			Grade of C			
PHY 121/122: University Physics I/ Laboratory I	3/1	<input type="checkbox"/>						
TERM THREE: 31-45 CREDIT HOURS								
#CHE 211: Introduction to Chemical Processing	3	<input type="checkbox"/>			Grade of C			<ul style="list-style-type: none"> Complete 10 critical courses by end of term 3. Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 # Designates Major Course: A minimum ASU cumulative GPA of 2.0 required in major courses.
MAT 242: Elementary Linear Algebra	2	<input type="checkbox"/>						
MAT 275: Modern Differential Equations (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"/>						
Bioscience Elective	3	<input type="checkbox"/>						
TERM FOUR: 46-60 CREDIT HOURS								
#CHE 231: Introduction to Transport I: Fluids	3	<input type="checkbox"/>			Grade of C			<ul style="list-style-type: none"> # Designates Major Course: A minimum ASU cumulative GPA of 2.0 required in major courses.
MAT 267: Calculus for Engineers III	3	<input type="checkbox"/>			Grade of C			
# MAE 384: Numerical Methods for Engineers (CS)	3	<input checked="" type="checkbox"/>			Grade of C			
PHY 131: University Physics II: Electricity and Magnetism	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								
# CHE 334: Introduction to Transport Phenomena II: Heat and Mass	3	<input checked="" type="checkbox"/>			Grade of C			<ul style="list-style-type: none"> # Designates Major Course: A minimum ASU cumulative GPA of 2.0 required in major courses.
# CHE 342: Introduction to Applied Chemical Thermodynamics	3	<input checked="" type="checkbox"/>			Grade of C			
CHM 233: General Organic Chemistry I	3	<input type="checkbox"/>						
CHM 237: General Organic Chemistry Laboratory I	1	<input type="checkbox"/>						
200 Level Engineering Elective	3	<input type="checkbox"/>						
# Chemistry Content Technical Elective	3	<input checked="" type="checkbox"/>						
TERM SIX: 76-90 CREDIT HOURS								
# CHE 352: Transport Laboratories (L)	3	<input checked="" type="checkbox"/>			Grade of C			<ul style="list-style-type: none"> # Designates Major Course: A minimum ASU cumulative GPA of 2.0 required in major courses.
# CHE 433: Modern Separations	3	<input checked="" type="checkbox"/>			Grade of C			
# CHE 442: Introduction to Chemical Reactor Design	3	<input checked="" type="checkbox"/>			Grade of C			
CHM 234: General Organic Chemistry II	3	<input type="checkbox"/>						
IEE 220: Business Industrial Engineering	3	<input type="checkbox"/>						
TERM SEVEN: 91-105 CREDIT HOURS								
# CHE 432: Principles of Chemical Engineering Design	3	<input checked="" type="checkbox"/>			Grade of C			<ul style="list-style-type: none"> # Designates Major Course: A minimum ASU cumulative GPA of 2.0 required in major courses.
# CHE 451: Chemical Engineering Laboratory	3	<input checked="" type="checkbox"/>						
# CHE 461: Process Dynamic Control	3	<input checked="" type="checkbox"/>						
# Chemistry Content Technical Elective	3	<input checked="" 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 EIGHT: 106-120 CREDIT HOURS								
# CHE 462: Process Design (L)	3	<input checked="" type="checkbox"/>						<ul style="list-style-type: none"> # Designates Major Course: A minimum ASU cumulative GPA of 2.0 required in major courses.
# CHE Technical Elective	3	<input checked="" type="checkbox"/>						
# CHE Technical Elective	3	<input checked="" type="checkbox"/>						
UD Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>						
#Natural Science or MSE Technical Elective	3	<input checked="" type="checkbox"/>						

Graduation Requirements Summary:

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

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- First-Year Composition

Additional Notes:

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Competed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None		
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes		
TERM ONE: 0-15 CREDIT HOURS							
ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> ASU 101-FSE should be completed first semester. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course *CHM 113 is a prerequisite and does not apply toward degree credit. **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. Maintain minimum ASU cumulative GPA of 2.0 	
CEE 100: Intro to Civil and Environmental Engineering OR ECN 211/212 (SB): Macroeconomic Principles/ Microeconomic Principles or ECN 201: Economic Issues & Analysis (SB)	2 or 3	<input type="checkbox"/>		Grade of C in CEE 100			
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II* (SQ)	4	<input type="checkbox"/>					
MAT 265: Calculus for Engineers 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			
TERM TWO: 16-30 CREDIT HOURS							
CEE 100: Intro to Civil and Environmental Engineering OR ECN 211/212 (SB): Macroeconomic Principles/ Microeconomic Principles or ECN 201: Economic Issues & Analysis (SB)	2 or 3	<input type="checkbox"/>		Grade of C in CEE 100		<ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0 	
MAT 242: Elementary Linear Algebra	2	<input type="checkbox"/>		Grade of C			
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>		Grade of C			
PHY 121/122: University Physics I/ Laboratory I (SQ)	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							
CEE 210: Engineering Mechanics: Statics	3	<input type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> Complete 12 critical courses by end of term 3. Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 	
MAT 267: Calculus for Engineers III	3	<input type="checkbox"/>		Grade of C			
MAT 275: Modern Differential Equations (MA)	3	<input type="checkbox"/>		Grade of C			
PHY 131/132: University Physics II: Electricity and Magnetism/ Laboratory II (SQ)	3/1	<input type="checkbox"/>		Grade of C			
TERM FOUR: 46-60 CREDIT HOURS							
CEE 212: Engineering Mechanics: Dynamics	3	<input type="checkbox"/>		Grade of C			
CEE 213: Introduction to Deformable Solids	3	<input type="checkbox"/>		Grade of C			
EEE 202: Circuits I OR MAE 240: Thermofluids I	4	<input type="checkbox"/>					
Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB) AND Cultural Diversity in the US (C) or Global Awareness (G):	3	<input type="checkbox"/>					
Basic Science Elective:	3	<input type="checkbox"/>					
TERM FIVE: 61-75 CREDIT HOURS							
#CEE 384: Numerical Methods for Engineers (CS)	3	<input checked="" type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> # Designates Major Course: A minimum cumulative GPA of 2.30 required in all CEE 3XX courses, a minimum cumulative GPA of 2.30 required in all CEE 4XX courses. NOTE: A maximum of two "D" grades are allowed in all 3XX and 4XX courses combined. 	
Select 3 # CEE 300: Engineering Business Practice (L) (3 hrs) # CEE 321: Structural Analysis and Design (4 hrs) # CEE 341: Fluid Mechanics for Civil Engineers (4 hrs) # CEE 351: Geotechnical Engineering (4 hrs) # CEE 353: Civil Engineering Materials (3 hrs) # CEE 361: Introduction to Environmental Engineering (4 hrs) # CEE 372: Transportation Engineering (4 hrs)	10-12	<input checked="" type="checkbox"/>		Grade of C in each			
IEE 380: Probability and Statistics for Engineering Problem Solving	3	<input checked="" type="checkbox"/>					
TERM SIX: 76-90 CREDIT HOURS							
Select remaining 4 # CEE 300: Engineering Business Practice(L) (3 hrs) # CEE 321: Structural Analysis and Design (4 hrs) # CEE 341: Fluid Mechanics for Civil Engineers (4 hrs) # CEE 351: Geotechnical Engineering (4 hrs) # CEE 353: Civil Engineering Materials (3 hrs) # CEE 361: Introduction to Environmental Engineering (4 hrs) # CEE 372: Transportation Engineering (4 hrs)	14 - 16	<input checked="" type="checkbox"/>		Grade of C in each			<ul style="list-style-type: none"> # Designates Major Course: A minimum cumulative GPA of 2.30 required in all CEE 3XX courses, a minimum cumulative GPA of 2.30 required in all CEE 4XX courses. NOTE: A maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.
TERM SEVEN: 91-105 CREDIT HOURS							
#CEE 400 Earth Systems Engineering and Management (HU, H) OR Social & Behavioral Science (SB) AND Cultural Diversity in the US (C) or Global Awareness (G)	3	<input type="checkbox"/>		Grade of C in CEE 400		<ul style="list-style-type: none"> Technical Elective and Design Elective requirements: Complete a total of 2 design electives and 4 technical electives during Term 7 and Term 8. See Advisor for guidance in selection. # Designates Major Course: A minimum cumulative GPA of 2.30 required in all CEE 3XX courses, a minimum cumulative GPA of 2.30 required in all CEE 4XX courses. NOTE: A maximum of two "D" grades are allowed in all 3XX and 4XX courses combined. 	
# Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C			
# Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C			
# Design Elective or # Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C			
# Design Elective or # Technical Elective	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					
# CEE 400: Earth Systems Engineering and Management (HU, H) OR Social & Behavioral Science (SB) AND Cultural Diversity in the US (C) or Global Awareness (G) if CEE 400 completed	3	<input type="checkbox"/>		Grade of C in CEE 400	<ul style="list-style-type: none"> • Technical Elective and Design Elective requirements: Complete a total of 2 design electives and 4 technical electives during Term 7 and Term 8. See Advisor for guidance in selection. # Designates Major Course: A minimum cumulative GPA of 2.30 required in all CEE 3XX courses, a minimum cumulative GPA of 2.30 required in all CEE 4XX courses. NOTE: A maximum of two “D” grades are allowed in all 3XX and 4XX courses combined.
# CEE 486: Integrated Civil Engineering Design (L)	4	<input checked="" type="checkbox"/>		Grade of C	
# Technical Elective or # Design Elective	3	<input checked="" type="checkbox"/>		Grade of C	
# Technical Elective or # Design Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C) or Global Awareness (G)	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours Regular Curriculum (120)	Total UD Hrs (45 min)	Total Hrs at ASU (30 min)	Cumulative GPA (2.00 minimum)	Major GPA (2.30 Min. CUM GPA in CEE 3XX, 2.30 min CUM GPA in CEE 4XX)	Hrs Resident Credit for Academic Recognition (56 min)	Total Comm. College Hrs. (64 Max)

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	Competed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGEC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> ASU 101-FSE should be completed first semester. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course *CHM 113 is a prerequisite and does not apply toward degree credit. **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. Maintain minimum ASU cumulative GPA of 2.0
CEE 100: Intro to Civil and Environmental Engineering OR ECN 211/212 (SB): Macroeconomic Principles/ Microeconomic Principles or ECN 201: Economic Issues & Analysis (SB)	2 or 3	<input type="checkbox"/>			Grade of C in CEE 100	
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II* (SQ)	4	<input type="checkbox"/>				
MAT 265: Calculus for Engineers 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	
TERM TWO: 16-30 CREDIT HOURS						
CEE 100: Intro to Civil and Environmental Engineering OR ECN 211/212 (SB): Macroeconomic Principles/ Microeconomic Principles or ECN 201: Economic Issues & Analysis (SB)	2 or 3	<input type="checkbox"/>			Grade of C in CEE 100	<ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0
MAT 242: Elementary Linear Algebra	2	<input type="checkbox"/>			Grade of C	
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>			Grade of C	
PHY 121/122: University Physics I/Laboratory I (SQ)	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						
CEE 210: Engineering Mechanics: Statics	3	<input type="checkbox"/>			Grade of C	<ul style="list-style-type: none"> Complete 12 critical courses by end of term 3. Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105
MAT 267: Calculus for Engineers III	3	<input type="checkbox"/>			Grade of C	
MAT 275: Modern Differential Equations (MA)	3	<input type="checkbox"/>			Grade of C	
PHY 131/132: University Physics II: Electricity and Magnetism/ Laboratory II (SQ)	3/1	<input type="checkbox"/>			Grade of C	
CEE 212: Engineering Mechanics: Dynamics	3	<input type="checkbox"/>			Grade of C	
TERM FOUR: 46-60 CREDIT HOURS						
CEE 213: Introduction to Deformable Solids	3	<input type="checkbox"/>			Grade of C	
EEE 202: Circuits I	4	<input type="checkbox"/>				
Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB), AND Cultural Diversity in the US (C) or Global Awareness (G):	3	<input type="checkbox"/>				
Basic Science Elective:	3	<input type="checkbox"/>				
CEE 212: Engineering Mechanics: Dynamics	3	<input type="checkbox"/>			Grade of C	
TERM FIVE: 61-75 CREDIT HOURS						
# CEE 384: Numerical Methods for Engineers (CS)	3	<input checked="" type="checkbox"/>			Grade of C	<ul style="list-style-type: none"> # Designates Major Course: A minimum cumulative GPA of 2.30 required in all CEE 3XX courses, a minimum cumulative GPA of 2.30 required in all CEE 4XX courses. NOTE: A maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.
Select 3						
# CEE 300: Engineering Business Practice (L) (3 hrs)						
# CEE 321: Structural Analysis and Design (4 hrs)						
# CEE 341: Fluid Mechanics for Civil Engineers (4 hrs)						
# CEE 351: Geotechnical Engineering (4 hrs)						
# CEE 353: Civil Engineering Materials (3 hrs)						
# CEE 361: Introduction to Environmental Engineering (4 hrs)	10-					
# CEE 372: Transportation Engineering (4 hrs)	12	<input checked="" type="checkbox"/>			Grade of C in each	
IEE 380: Probability and Statistics for Engineering Problem Solving	3	<input checked="" type="checkbox"/>				
TERM SIX: 76-90 CREDIT HOURS						
Select remaining 4						<ul style="list-style-type: none"> # Designates Major Course: A minimum cumulative GPA of 2.30 required in all CEE 3XX courses, a minimum cumulative GPA of 2.30 required in all CEE 4XX courses. NOTE: A maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.
# CEE 300: Engineering Business Practice(L) (3 hrs)						
# CEE 321: Structural Analysis and Design (4 hrs)						
# CEE 341: Fluid Mechanics for Civil Engineers (4 hrs)						
# CEE 351: Geotechnical Engineering (4 hrs)						
# CEE 353: Civil Engineering Materials (3 hrs)						
# CEE 361: Introduction to Environmental Engineering (4 hrs)	14-					
# CEE 372: Transportation Engineering (4 hrs)	16	<input checked="" type="checkbox"/>			Grade of C in each	
TERM SEVEN: 91-105 CREDIT HOURS						
Select 4						<ul style="list-style-type: none"> # Designates Major Course: A minimum cumulative GPA of 2.30 required in all CEE 3XX courses, a minimum cumulative GPA of 2.30 required in all CEE 4XX courses. NOTE: A maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.
# CEE 281: Surveying (3 hrs)						
# CEE 412: Pavement Analysis and Design (3 hrs) OR # CEE 483: Highway Materials, Construction and Quality (3 hrs)						
# CEE 420: Steel Structures (3 hrs) OR # CEE 421: Concrete Structures (3 hrs)						
# CEE 452: Foundation (3 hrs)						
# CEE 481: Civil Engineering Project (3 hrs)						
# Approved technical elective (3 hrs)	12	<input checked="" type="checkbox"/>			Grade of C in each	
#CEE 400: Earth Systems Engineering and Management (HU, H) OR Social & Behavioral Science (SB) AND Cultural Diversity in the US (C) or Global Awareness (G)	3	<input checked="" type="checkbox"/>			Grade of C in CEE 400	

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					
Select remaining 2 # CEE 281: Surveying (3 hrs) # CEE 412: Pavement Analysis and Design (3 hrs) OR # CEE 483: Highway Materials, Construction and Quality (3 hrs) # CEE 420: Steel Structures (3 hrs) OR # CEE 421: Concrete Structures (3 hrs) # CEE 452: Foundation (3 hrs) # CEE 481: Civil Engineering Project (3 hrs) # Approved technical elective (3 hrs)	6	<input checked="" type="checkbox"/>		Grade of C in each	# Designates Major Course: A minimum cumulative GPA of 2.30 required in all CEE 3XX courses, a minimum cumulative GPA of 2.30 required in all CEE 4XX courses. NOTE: A maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.
#CEE 400: Earth Systems Engineering and Management (HU, H) OR Social & Behavioral Science (SB) AND Cultural Diversity in the US (C) or Global Awareness (G) if CEE 400 completed	3	<input type="checkbox"/>		Grade of C in CEE 400	
# CEE 486: Integrated Civil Engineering Design (L)	4	<input checked="" type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C) or Global Awareness (G)	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours Regular Curriculum (120)	Total UD Hrs (45 min)	Total Hrs at ASU (30 min)	Cumulative GPA (2.00 minimum)	Major GPA (2.30 Min. CUM GPA in CEE 3XX, 2.30 min CUM GPA in CEE 4XX))	Hrs Resident Credit for Academic Recognition (56 min)	Total Comm. College Hrs. (64 Max)

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 Transfer Pathway:		Completed General Education:		
			<input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None	Transfer Course/Grade	Minimum Grade if Required	<input type="checkbox"/> AGECE <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
TERM ONE: 0-15 CREDIT HOURS							
ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> ASU 101-FSE should be completed first semester. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course *CHM 113 is a prerequisite and does not apply toward degree credit. **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. Maintain minimum ASU cumulative GPA of 2.0 	
CEE 100: Intro to Civil and Environmental Engineering OR ECN 211/212 (SB): Macroeconomic Principles/ Microeconomic Principles or ECN 201: Economic Issues & Analysis (SB)	2 or 3	<input type="checkbox"/>			Grade of C in CEE 100		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II* (SQ)	4	<input type="checkbox"/>					
MAT 265: Calculus for Engineers 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		
TERM TWO: 16-30 CREDIT HOURS							
CEE 100: Intro to Civil and Environmental Engineering OR ECN 211/212 (SB): Macroeconomic Principles/ Microeconomic Principles or ECN 201: Economic Issues & Analysis (SB)	2 or 3	<input type="checkbox"/>			Grade of C in CEE 100	<ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0 	
MAT 242: Elementary Linear Algebra	2	<input type="checkbox"/>			Grade of C		
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>			Grade of C		
PHY 121/122: University Physics I/ Laboratory I (SQ)	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							
CEE 210: Engineering Mechanics: Statics	3	<input type="checkbox"/>			Grade of C	<ul style="list-style-type: none"> Complete 12 critical courses by end of term 3. Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 	
MAT 267: Calculus for Engineers III	3	<input type="checkbox"/>			Grade of C		
MAT 275: Modern Differential Equations (MA)	3	<input type="checkbox"/>			Grade of C		
PHY 131/132: University Physics II: Electricity and Magnetism/ Laboratory II	3/1	<input type="checkbox"/>			Grade of C		
TERM FOUR: 46-60 CREDIT HOURS							
CEE 212: Engineering Mechanics: Dynamics	3	<input type="checkbox"/>			Grade of C		
CEE 213: Introduction to Deformable Solids	3	<input type="checkbox"/>			Grade of C		
MAE 240: Thermofluids I	4	<input type="checkbox"/>					
Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB), AND Cultural Diversity in the US (C) or Global Awareness (G):	3	<input type="checkbox"/>					
Basic Science Elective	3	<input type="checkbox"/>					
TERM FIVE: 61-75 CREDIT HOURS							
# CEE 384: Numerical Methods for Engineers (CS)	3	<input checked="" type="checkbox"/>			Grade of C	<ul style="list-style-type: none"> # Designates Major Course: A minimum cumulative GPA of 2.30 required in all CEE 3XX courses, a minimum cumulative GPA of 2.30 required in all CEE 4XX courses. NOTE: A maximum of two "D" grades are allowed in all 3XX and 4XX courses combined. 	
Select 3 # CEE 300: Engineering Business Practice (L) (3 hrs) # CEE 321: Structural Analysis and Design (4 hrs) # CEE 341: Fluid Mechanics for Civil Engineers (4 hrs) # CEE 351: Geotechnical Engineering (4 hrs) # CEE 353: Civil Engineering Materials (3 hrs) # CEE 361: Introduction to Environmental Engineering (4 hrs) # CEE 372: Transportation Engineering (4 hrs)	10 - 12	<input checked="" type="checkbox"/>			Grade of C in each		
IEE 380: Probability and Statistics for Engineering Problem Solving	3	<input checked="" type="checkbox"/>					
TERM SIX: 76-90 CREDIT HOURS							
Select remaining 4 # CEE 300: Engineering Business Practice(L) (3 hrs) # CEE 321: Structural Analysis and Design (4 hrs) # CEE 341: Fluid Mechanics for Civil Engineers (4 hrs) # CEE 351: Geotechnical Engineering (4 hrs) # CEE 353: Civil Engineering Materials (3 hrs) # CEE 361: Introduction to Environmental Engineering (4 hrs) # CEE 372: Transportation Engineering (4 hrs)	14 - 16	<input checked="" type="checkbox"/>			Grade of C in each		<ul style="list-style-type: none"> # Designates Major Course: A minimum cumulative GPA of 2.30 required in all CEE 3XX courses, a minimum cumulative GPA of 2.30 required in all CEE 4XX courses. NOTE: A maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.
TERM SEVEN: 91-105 CREDIT HOURS							
Select 4 Design/Technical Electives # CEE 440: Engineering Hydrology (3 hrs) # CEE 441: Water Resource Hydrology (3 hrs) # CEE 462: Unit Ops in Environmental Engineering (3 hrs) # CEE 466: San System Design (3 hrs) # CEE 467: Environmental Microbiology (3 hrs) # Approved Technical Elective (3 hrs)	12	<input checked="" type="checkbox"/>			Grade of C in each	<ul style="list-style-type: none"> # Designates Major Course: A minimum cumulative GPA of 2.30 required in all CEE 3XX courses, a minimum cumulative GPA of 2.30 required in all CEE 4XX courses. NOTE: A maximum of two "D" grades are allowed in all 3XX and 4XX courses combined. 	
# CEE 400: Earth Systems Engineering and Management (HU, H) OR Social & Behavioral Science (SB) AND Cultural Diversity in the US (C) or Global Awareness (G)	3	<input checked="" type="checkbox"/>			Grade of C in CEE 400		

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					
Select remaining 2 Design/Technical Electives # CEE 440: Engineering Hydrology (3 hrs) # CEE 441: Water Resource Hydrology (3 hrs) # CEE 462: Unit Ops in Environmental Engineering (3 hrs) # CEE 466: San System Design (3 hrs) # CEE 467: Environmental Microbiology (3 hrs) # Approved Technical Elective (3 hrs)	6	<input checked="" type="checkbox"/>		Grade of C in each	# Designates Major Course: A minimum cumulative GPA of 2.30 required in all CEE 3XX courses, a minimum cumulative GPA of 2.30 required in all CEE 4XX courses. NOTE: A maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.
# CEE 400: Earth Systems Engineering and Management (HU, H) OR Social & Behavioral Science (SB) AND Cultural Diversity in the US (C) or Global Awareness (G) if CEE 400 completed	3	<input type="checkbox"/>		Grade of C in CEE 400	
# CEE 486: Integrated Civil Engineering Design (L)	4	<input checked="" type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C) or Global Awareness (G)	3	<input type="checkbox"/>			

Graduation Requirements Summary:

Total Hours Regular Curriculum (120)	Total UD Hrs (45 min)	Total Hrs at ASU (30 min)	Cumulative GPA (2.00 minimum)	Major GPA (2.30 Min. CUM GPA in CEE 3XX, 2.30 min CUM GPA in CEE 4XX))	Hrs Resident Credit for Academic Recognition (56 min)	Total Comm. College Hrs. (64 Max)

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	Competed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> ASU 101-FSE should be completed first semester. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Maintain minimum ASU cumulative GPA of 2.0
# CSE 100: Principles of Programming with C++ (CS) OR # CSE 110: Principles of Programming with Java (CS)	3	<input type="checkbox"/>		Grade of C		
#CSE 101: Introduction to Computer Science & Engineering	2	<input type="checkbox"/>		Grade of C		
MAT 265: Calculus for Engineers I (MA)	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		
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						
# CSE 120: Digital Design Fundamentals	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# CSE 205: Object-Oriented Programming & Data Structures (CS)	3	<input type="checkbox"/>		Grade of C		
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>		Grade of C		
BIO 187: General Biology I (SQ) or BIO 188: General Biology II (SQ)	4	<input type="checkbox"/>				
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						
# CSE 230: Computer Organization and Assembly Language Programming	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete 9 critical courses by end of term 3 Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 See Advisor for approved Laboratory Science sequence courses # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
MAT 243: Discrete Mathematical Structures	3	<input type="checkbox"/>		Grade of C		
MAT 267: Calculus for Engineers III	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"/>				
Laboratory Science I (SQ)	4	<input type="checkbox"/>				
TERM FOUR: 46-60 CREDIT HOURS						
#CSE 240: Introduction to Programming Languages	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> See Advisor for approved Laboratory Science sequence courses General Elective: cannot include CSE, MAT, PHY, BIO, CHM or other Science course # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# MAT 343: Applied Linear Algebra	3	<input checked="" type="checkbox"/>				
Laboratory Science II (SQ)	4	<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 FIVE: 61-75 CREDIT HOURS						
# IEE 380: Probability and Statistics for Engineering Problem Solving	3	<input checked="" type="checkbox"/>			<ul style="list-style-type: none"> # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# CSE 301: Computing Ethics	1	<input checked="" type="checkbox"/>		Grade of C		
# CSE 310: Data Structures and Algorithms	3	<input checked="" type="checkbox"/>		Grade of C		
# CSE 360: Introduction to Software Engineering	3	<input checked="" 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 SIX: 76-90 CREDIT HOURS						
# CSE 340: Principles of Programming Languages	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> See Advisor for approved list of Technical Electives # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# CSE 355: Introduction to Theoretical Computer Science	3	<input checked="" type="checkbox"/>		Grade of C		
# CSE 4** Computer Science Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Computer Science Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C		
UD Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				
TERM SEVEN: 91-105 CREDIT HOURS						
# CSE 430: Operating Systems	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> See Advisor for approved list of Computer Science Electives General Elective: cannot include CSE, MAT, PHY, BIO, CHM or other Science course # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# CSE 485: Computer Science Capstone Project I (L)	3	<input checked="" type="checkbox"/>		Grade of C		
# CSE 4** Computer Science Elective	3	<input checked="" type="checkbox"/>		Grade of C		
# CSE 4** Computer Science Elective	3	<input checked="" type="checkbox"/>		Grade of C		
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					
# CSE 486: Computer Science Capstone Project II (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> • See Advisor for approved list of Technical Electives # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses.
# CSE 4** Computer Science Elective	3	<input checked="" type="checkbox"/>		Grade of C	
# CSE 4** Computer Science Elective	3	<input checked="" type="checkbox"/>		Grade of C	
# Computer Science Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input type="checkbox"/>			

Graduation Requirements Summary:

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

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 Transfer Pathway:		Completed General Education:		Additional Critical Requirement Notes
			<input type="checkbox"/> MAPP	<input type="checkbox"/> TAG	<input type="checkbox"/> ATP	<input type="checkbox"/> None	
TERM ONE: 0-15 CREDIT HOURS							
ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>					<ul style="list-style-type: none"> • Complete CSE 100 or 110, 101; MAT 265 each with a minimum grade of “C” • ASU 101-FSE should be completed first semester. • An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. • Maintain minimum ASU cumulative GPA of 2.0
# CSE 100: Principles of Programming with C++ (CS) OR # CSE 110: Principles of Programming with Java (CS)	3	<input type="checkbox"/>			Grade of C		
# CSE 101: Introduction to Computer Science & Engineering	2	<input type="checkbox"/>			Grade of C		
MAT 265: Calculus for Engineers I (MA)	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		
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							
# CSE 120: Digital Design Fundamentals	3	<input type="checkbox"/>			Grade of C	<ul style="list-style-type: none"> • Maintain minimum ASU cumulative GPA of 2.0 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# CSE 205: Object-Oriented Programming & Data Structures (CS)	3	<input type="checkbox"/>			Grade of C		
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>			Grade of C		
BIO 187: General Biology I (SQ) OR BIO 188: General Biology Laboratory II (SQ)	4	<input type="checkbox"/>					
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							
# CSE 230: Computer Organization and Assembly Language Programming	3	<input type="checkbox"/>			Grade of C	<ul style="list-style-type: none"> • Complete 9 critical courses by end of term 3 • Maintain minimum ASU cumulative GPA of 2.0 • Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
MAT 243: Discrete Mathematical Structures	3	<input type="checkbox"/>			Grade of C		
MAT 267: Calculus for Engineers III	3	<input type="checkbox"/>			Grade of C		
PHY 121/122: University Physics I/Laboratory I (SQ)	3/1	<input type="checkbox"/>					
TERM FOUR: 46-60 CREDIT HOURS							
# CSE 220: Programming for Computer Engineering	3	<input type="checkbox"/>			Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses.	
MAT 275: Modern Differential Equations	3	<input type="checkbox"/>					
PHY 131/132: University Physics II Electricity and Magnetism/Laboratory II (SQ)	3/1	<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"/>					
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							
# EEE 202: Circuits I	4	<input type="checkbox"/>				# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses.	
# IEE 380: Probability and Statistics for Engineering Problem Solving	3	<input checked="" type="checkbox"/>					
# CSE 301: Computing Ethics	1	<input checked="" type="checkbox"/>			Grade of C		
# CSE 310: Data Structures and Algorithms	3	<input checked="" type="checkbox"/>			Grade of C		
# CSE 360: Introduction to Software Engineering	3	<input checked="" type="checkbox"/>			Grade of C		
TERM SIX: 76-90 CREDIT HOURS							
# EEE 334: Circuits II	4	<input checked="" type="checkbox"/>				# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses.	
# CSE 320: Design and Synthesis of Digital Hardware	3	<input checked="" type="checkbox"/>			Grade of C		
# CSE 325: Embedded Micro Systems	3	<input checked="" type="checkbox"/>			Grade of C		
# MAT 343: Applied Linear Algebra	3	<input checked="" 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 SEVEN: 91-105 CREDIT HOURS							
# CSE 423: Systems Capstone Project I (L)	3	<input checked="" type="checkbox"/>			Grade of C	<ul style="list-style-type: none"> • See Advisor for approved list of CSE Technical Electives # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# CSE 430: Operating Systems	3	<input checked="" type="checkbox"/>			Grade of C		
# CSE Technical Elective	3	<input checked="" type="checkbox"/>			Grade of C		
# CSE Technical Elective	3	<input checked="" type="checkbox"/>			Grade of C		
UD Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>					
TERM EIGHT: 106-120 CREDIT HOURS							
# CSE 420: Computer Architecture I	3	<input checked="" type="checkbox"/>			Grade of C	<ul style="list-style-type: none"> • See Advisor for approved list of CSE Technical Electives # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# CSE 424: Systems Capstone Project II (L)	3	<input checked="" type="checkbox"/>			Grade of C		
# CSE 434: Computer Networks	3	<input checked="" type="checkbox"/>			Grade of C		
# CSE Technical Elective	3	<input checked="" type="checkbox"/>			Grade of C		
# CSE Technical Elective	3	<input checked="" type="checkbox"/>			Grade of C		

Graduation Requirements Summary:

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

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 Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
# ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> ASU 101-FSE should be completed first semester. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses.
# CIM 105: Intro to Concrete Industry	2	<input type="checkbox"/>		Grade of C		
MAT 265: Calculus for Engineers I (MA)	3	<input type="checkbox"/>		Grade of C		
PHY 111/113: General Physics I/ Laboratory I (SQ)	3/1	<input type="checkbox"/>		Grade of C		
# CON 101: Construction and Culture: A Built Environment (HU, G, H)	3	<input type="checkbox"/>				
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 TWO: 16-30 CREDIT HOURS						
# CIM 106: Concrete Fundamentals	4	<input type="checkbox"/>		Grade of C	Must maintain minimum ASU cumulative GPA of 2.0 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses.	
# CON 243: Heavy Construction Equipment, Methods, Materials	3	<input type="checkbox"/>				
# CON 244: Working Drawing Analysis	1	<input type="checkbox"/>				
# CON 252: Building Construction Methods, Materials, Equipment	3	<input type="checkbox"/>				
STP 226: Elements of Statistics (CS) 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						
# CIM 205: Concrete Construction Methods	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete 8 critical courses by end of term 3 Must maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses.	
# CON 221 Applied Statics	3	<input type="checkbox"/>				
# CON 251: Microcomputer Applications for Construction	3	<input type="checkbox"/>				
COM 225: Public Speaking (L)	3	<input type="checkbox"/>				
ECN 211: Macroeconomic Principles (SB)	3	<input type="checkbox"/>				
TERM FOUR: 46-60 CREDIT HOURS						
# CIM 206: Application of Concrete in Construction	3	<input type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses.	
# CON 223: Strength of Materials	3	<input type="checkbox"/>				
# CON 271: Construction Safety	3	<input type="checkbox"/>				
ECN 212: Macroeconomic Principles (SB)	3	<input type="checkbox"/>				
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C)	3	<input type="checkbox"/>				
TERM SUMMER 2nd Year: 1 CREDIT HOUR						
# CON 296: Field Internship	1	<input type="checkbox"/>				
TERM FIVE: 61-75 CREDIT HOURS						
# CIM 305: Management of Concrete Products: Ordering and Delivering	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
# CON 383: Construction Estimating	4	<input checked="" type="checkbox"/>		Grade of C		
# CON 241: Surveying	3	<input type="checkbox"/>				
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				
Natural Science: Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>				
TERM SIX: 76-90 CREDIT HOURS						
# CIM 306: Management of Concrete Products: Production Facilities	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
# CON 389: Construction Cost Accounting and Control (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
# CON 450: Geotechnical Applications for Construction	3	<input checked="" type="checkbox"/>		Grade of C		
LES 305: Legal, Ethical, Regulatory Issues in Business	3	<input checked="" type="checkbox"/>				
TERM SUMMER 3rd Year: 1 CREDIT HOUR						
# CON 484: Internship	1	<input checked="" type="checkbox"/>		Grade of C		
TERM SEVEN: 91-105 CREDIT HOURS						
# CIM 405: Concrete Problems: Diagnosis, Prevention, Dispute	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
Upper division CIM Elective	3	<input checked="" type="checkbox"/>		Grade of C		
# CON 453: Construction Project Management I	4	<input checked="" type="checkbox"/>		Grade of C		
# CON 495: Construction Planning and Scheduling (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
TERM EIGHT: 106-120 CREDIT HOURS						
# CIM 406: Concrete Industry Management	4	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
# CON 424: Structural Design	3	<input checked="" type="checkbox"/>		Grade of C		
# CON 455: Construction Project Management II	3	<input checked="" type="checkbox"/>		Grade of C		
# CON 496: Construction Contract Administration (L)	3	<input checked="" type="checkbox"/>		Grade of C		

Graduation Requirements Summary:

Total Hours Regular Curriculum (120)	Total Hrs at ASU (30 min)	Hrs Resident Credit for Academic Recognition (56 min)	Major GPA (2.000 Min. CUM GPA)	Total UD Hrs (45 min)	Total Comm. College Hrs. (64 Max)

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 Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
# ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> ASU 101-FSE should be completed first semester. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. <ul style="list-style-type: none"> Must maintain minimum ASU cumulative GPA of 2.0
# CIM 105: Intro to Concrete Industry	2	<input type="checkbox"/>		Grade of C		
MAT 265: Calculus for Engineers I (MA)	3	<input type="checkbox"/>		Grade of C		
PHY 111/113: General Physics I/ Laboratory I (SQ)	3/1	<input type="checkbox"/>		Grade of C		
# CON 101: Construction and Culture: A Built Environment (HU, G, H)	3	<input type="checkbox"/>				
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 TWO: 16-30 CREDIT HOURS						
# CIM 106: Concrete Fundamentals	4	<input type="checkbox"/>		Grade of C	Must maintain minimum ASU cumulative GPA of 2.0 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses.	
# CON 243: Heavy Construction Equipment, Methods, Materials	3	<input type="checkbox"/>				
# CON 244: Working Drawing Analysis	1	<input type="checkbox"/>				
# CON 252: Building Construction Methods, Materials, Equipment	3	<input type="checkbox"/>				
STP 226: Elements of Statistics (CS) 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						
# CIM 205: Concrete Construction Methods	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete 8 critical courses by end of term 3 Must maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses.	
# CON 221 Applied Statics	3	<input type="checkbox"/>				
# CON 251: Microcomputer Applications for Construction	3	<input type="checkbox"/>				
COM 225: Public Speaking (L)	3	<input type="checkbox"/>				
ECN 211: Macroeconomic Principles (SB)	3	<input type="checkbox"/>				
TERM FOUR: 46-60 CREDIT HOURS						
# CIM 206: Application of Concrete in Construction	3	<input type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses.	
# CON 223: Strength of Materials	3	<input type="checkbox"/>				
# CON 271: Construction Safety	3	<input type="checkbox"/>				
ECN 212: Macroeconomic Principles (SB)	3	<input type="checkbox"/>				
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C)	3	<input type="checkbox"/>				
TERM SUMMER 2nd Year: 1 CREDIT HOUR						
# CON 296: Field Internship	1	<input type="checkbox"/>				
TERM FIVE: 61-75 CREDIT HOURS						
# CIM 305: Management of Concrete Products: Ordering and Delivering	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
# CON 383: Construction Estimating	4	<input checked="" type="checkbox"/>		Grade of C		
# CON 241: Surveying	3	<input type="checkbox"/>				
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				
Natural Science: Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>				
TERM SIX: 76-90 CREDIT HOURS						
# CIM 306: Management of Concrete Products: Production Facilities	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
# CON 389: Construction Cost Accounting and Control (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
# CON 450: Geotechnical Applications for Construction	3	<input checked="" type="checkbox"/>		Grade of C		
LES 305: Legal, Ethical, Regulatory Issues in Business	3	<input checked="" type="checkbox"/>				
TERM SUMMER 3rd Year: 1 CREDIT HOUR						
# CON 484: Internship	1	<input checked="" type="checkbox"/>		Grade of C		
TERM SEVEN: 91-105 CREDIT HOURS						
# CIM 405: Concrete Problems: Diagnosis, Prevention, Dispute	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
Upper division CIM Elective	3	<input checked="" type="checkbox"/>		Grade of C		
# CON 453: Construction Project Management I	4	<input checked="" type="checkbox"/>		Grade of C		
# CON 495: Construction Planning and Scheduling (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
TERM EIGHT: 106-120 CREDIT HOURS						
# CIM 406: Concrete Industry Management	4	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
# CON 424: Structural Design	3	<input checked="" type="checkbox"/>		Grade of C		
# CON 455: Construction Project Management II	3	<input checked="" type="checkbox"/>		Grade of C		
# CON 496: Construction Contract Administration (L)	3	<input checked="" type="checkbox"/>		Grade of C		

Graduation Requirements Summary:

Total Hours Regular Curriculum (120)	Total Hrs at ASU (30 min)	Hrs Resident Credit for Academic Recognition (56 min)	Major GPA (2.000 Min. CUM GPA)	Total UD Hrs (45 min)	Total Comm. College Hrs. (64 Max)

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	Competed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
# ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> ASU 101-FSE should be completed first semester. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Maintain minimum ASU cumulative GPA of 2.0
MAT 265: Calculus for Engineers I (MA)	3	<input type="checkbox"/>		Grade of C		
PHY 111/113: General Physics I/ Laboratory I (SQ)	3/1	<input type="checkbox"/>		Grade of C		
# CON 101: Construction & Culture: A Built Environment (HU, G, H)	3	<input type="checkbox"/>				
# CON 100: Introduction to Construction	2	<input type="checkbox"/>				
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 TWO: 16-30 CREDIT HOURS						
# CON 243: Heavy Construction Equipment, Methods, Materials	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses 	
# CON 244 : Working Drawing Analysis	1	<input type="checkbox"/>				
# CON 252: Building Construction Methods, Materials, Equipment	3	<input type="checkbox"/>				
ECN 211: Macroeconomic Principles (SB)	3	<input type="checkbox"/>				
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						
# CON 221: Applied Statics	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete 13 critical courses by end of term 3. Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses 	
# CON 251: Microcomputer Applications for Construction	3	<input type="checkbox"/>				
COM 225: Public Speaking (L)	3	<input type="checkbox"/>				
ECN 212: Microeconomic Principles (SB)	3	<input type="checkbox"/>				
STP 226: Elements of Statistics (CS)	3	<input type="checkbox"/>				
TERM FOUR: 46-60 CREDIT HOURS						
# CON 223: Strength of Materials	3	<input type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required.	
# CON 271: Construction Safety	3	<input type="checkbox"/>				
# CON 241: Surveying	3	<input type="checkbox"/>				
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C)	3	<input type="checkbox"/>				
Science Quantitative (SQ) or Science General (SG)	4	<input type="checkbox"/>				
TERM SUMMER 2nd Year: 1 CREDIT HOUR						
# CON 296: Field Internship	1	<input type="checkbox"/>				
TERM FIVE: 61-75 CREDIT HOURS						
# CON 310: Testing and Materials for Construction	4	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
# CON 345: Mechanical Systems	4	<input checked="" type="checkbox"/>		Grade of C		
# CON 273: Electrical Construction Fundamental and Project Management	3	<input type="checkbox"/>				
# CON 383: Construction Estimating	4	<input checked="" type="checkbox"/>		Grade of C		
Select 1 # CON 472: Development Feasibility Reports (3 hrs) # CON 483: Advanced Building Estimating (3 hrs) REA 380: Real Estate Fundamentals (3 hrs) Upper division Elective	3	<input checked="" type="checkbox"/>		Grade of C in CON courses		
TERM SIX: 76-90 CREDIT HOURS						
# CON 389: Construction Cost Accounting and Control (CS)	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
LES 305: Legal, Ethical, Regulatory Issues in Business	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"/>				
Select 1 additional course from: # CON 472: Development Feasibility Reports (3 hrs) # CON 483: Advanced Building Estimating (3 hrs) REA 380: Real Estate Fundamentals (3 hrs) Upper division Elective: (3 hrs)	3	<input checked="" type="checkbox"/>		Grade of C in CON courses		
TERM SUMMER 3rd Year: 1 CREDIT HOUR						
# CON 484: Internship	1	<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 SEVEN: 91-105 CREDIT HOURS					
# CON 450: Geotechnical Applications for Construction	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.
# CON 453: Construction Project Management I	4	<input checked="" type="checkbox"/>		Grade of C	
# CON 495: Construction Planning and Scheduling (L)	3	<input checked="" type="checkbox"/>		Grade of C	
Select 1 additional course from: # CON 472: Development Feasibility Reports (3 hrs) # CON 483: Advanced Building Estimating (3 hrs) REA 380: Real Estate Fundamentals (3 hrs) Upper division Elective (3 hrs)	3	<input checked="" type="checkbox"/>		Grade of C in CON courses	
TERM EIGHT: 106-120 CREDIT HOURS					
# CON 424: Structural Design	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.
# CON 455: Construction Project Management II	3	<input checked="" type="checkbox"/>		Grade of C	
# CON 496: Construction Contract Administration (L)	3	<input checked="" type="checkbox"/>		Grade of C	
Select remaining course from: # CON 472: Development Feasibility Reports (3 hrs) # CON 483: Advanced Building Estimating (3 hrs) REA 380: Real Estate Fundamentals (3 hrs) UD Elective (3 hrs)	3	<input checked="" type="checkbox"/>		Grade of C in CON courses	

Graduation Requirements Summary:

Total Hours Regular Curriculum (120)	Total Hrs at ASU (30 min)	Hrs Resident Credit for Academic Recognition (56 min)	Major GPA (2.000 Min. CUM GPA)	Total UD Hrs (45 min)	Total Comm. College Hrs. (64 Max)

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	Competed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
# ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> ASU 101-FSE should be completed first semester. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses Maintain minimum ASU cumulative GPA of 2.0
MAT 265: Calculus for Engineers I (MA)	3	<input type="checkbox"/>		Grade of C		
PHY 111/113: General Physics I/ Laboratory I (SQ)	3/1	<input type="checkbox"/>		Grade of C		
# CON 101: Construction and Culture: A Built Environment (HU, G, H)	3	<input type="checkbox"/>				
# CON 100: Introduction to Construction	2	<input type="checkbox"/>				
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 TWO: 16-30 CREDIT HOURS						
# CON 243: Heavy Construction Equipment, Methods, Materials	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses	
# CON 244: Working Drawing Analysis	1	<input type="checkbox"/>				
# CON 252: Building Construction Methods, Materials, Equipment	3	<input type="checkbox"/>				
ECN 211: Macroeconomic Principles (SB)	3	<input type="checkbox"/>				
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						
# CON 221: Applied Statics	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete 14 (including labs) critical courses by end of term 3. Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses	
# CON 251: Microcomputer Applications for Construction	3	<input type="checkbox"/>				
COM 225: Public Speaking (L)	3	<input type="checkbox"/>				
ECN 212: Microeconomic Principles (SB)	3	<input type="checkbox"/>				
STP 226: Elements of Statistics (CS)	3	<input type="checkbox"/>				
TERM FOUR: 46-60 CREDIT HOURS						
# CON 223: Strength of Materials	3	<input type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses	
# CON 271: Construction Safety	3	<input type="checkbox"/>				
# CON 241: Surveying	3	<input type="checkbox"/>				
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C)	3	<input type="checkbox"/>				
Science: Quantitative (SQ) or Science General (SG)	4	<input type="checkbox"/>				
TERM SUMMER 2nd Year: 1 CREDIT HOUR						
# CON 296: Field Internship	1	<input type="checkbox"/>				
TERM FIVE: 61-75 CREDIT HOURS						
# CON 310: Testing and Materials for Construction	4	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
# CON 345: Mechanical Systems	4	<input checked="" type="checkbox"/>		Grade of C		
# CON 273: Electrical Construction Fundamental and Project Management	3	<input type="checkbox"/>				
# CON 383: Construction Estimating	4	<input checked="" type="checkbox"/>		Grade of C		
Select 1: # CON 394: Special Topics: Advanced Heavy Equipment Operations (3 hrs) # CON 394: Special Topics: Environmental Aspects of Heavy Construction (3 hrs) # CON 486: Heavy Construction Estimating (3 hrs) # CON 494: Special Topics: Heavy Construction Earthworks (3 hrs) # CON 494: Special Topics: Heavy Construction Project Management (3 hrs):	3	<input checked="" type="checkbox"/>		Grade of C		
TERM SIX: 76-90 CREDIT HOURS						
# CON 389: Construction Cost Accounting and Control (CS)	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
LES 305: Legal, Ethical, Regulatory Issues in Business	3	<input checked="" type="checkbox"/>				
Upper division Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>		Grade of C		
Select 2 additional: # CON 394: Special Topics: Advanced Heavy Equipment Operations (3 hrs) # CON 394: Special Topics: Environmental Aspects of Heavy Construction (3 hrs) # CON 486: Heavy Construction Estimating (3 hrs) # CON 494: Special Topics: Heavy Construction Earthworks (3 hrs) # CON 494: Special Topics: Heavy Construction Project Management (3 hrs):	3	<input checked="" type="checkbox"/>		Grade of C		
# CON 394: Special Topics: Advanced Heavy Equipment Operations (3 hrs) # CON 394: Special Topics: Environmental Aspects of Heavy Construction (3 hrs) # CON 486: Heavy Construction Estimating (3 hrs) # CON 494: Special Topics: Heavy Construction Earthworks (3 hrs) # CON 494: Special Topics: Heavy Construction Project Management (3 hrs):	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 SUMMER 3rd Year: 1 CREDIT HOUR					
# CON 484: Internship	1	<input checked="" type="checkbox"/>		Grade of C	
TERM SEVEN: 91-105 CREDIT HOURS					
# CON 450: Geotechnical Applications for Construction	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.
# CON 453: Construction Project Management I	4	<input checked="" type="checkbox"/>		Grade of C	
# CON 495: Construction Planning and Scheduling	3	<input checked="" type="checkbox"/>		Grade of C	
Select 1 additional: # CON 394: Special Topics: Advanced Heavy Equipment Operations (3 hrs) # CON 394: Special Topics: Environmental Aspects of Heavy Construction (3 hrs) # CON 486: Heavy Construction Estimating (3 hrs) # CON 494: Special Topics: Heavy Construction Earthworks (3 hrs) # CON 494: Special Topics: Heavy Construction Project Management (3 hrs):	3	<input checked="" type="checkbox"/>		Grade of C	
TERM EIGHT: 106-120 CREDIT HOURS					
# CON 424: Structural Design	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.
# CON 455: Construction Project Management II	3	<input checked="" type="checkbox"/>		Grade of C	
# CON 496: Construction Contract Administration (L)	3	<input checked="" type="checkbox"/>		Grade of C	
Select remaining course: # CON 394: Special Topics: Advanced Heavy Equipment Operations (3 hrs) # CON 394: Special Topics: Environmental Aspects of Heavy Construction (3 hrs) # CON 486: Heavy Construction Estimating (3 hrs) # CON 494: Special Topics: Heavy Construction Earthworks (3 hrs) # CON 494: Special Topics: Heavy Construction Project Management (3 hrs):	3	<input checked="" type="checkbox"/>		Grade of C	

Graduation Requirements Summary:

Total Hours Regular Curriculum (120)	Total Hrs at ASU (30 min)	Hrs Resident Credit for Academic Recognition (56 min)	Major GPA (2.000 Min. CUM GPA)	Total UD Hrs (45 min)	Total Comm. College Hrs. (64 Max)

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- 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 Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGECE <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
# ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> ASU 101-FSE should be completed first semester. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Maintain minimum ASU cumulative GPA of 2.0
MAT 265: Calculus for Engineers I (MA)	3	<input type="checkbox"/>		Grade of C		
PHY 111/113: General Physics I/Laboratory I (SQ)	3/1	<input type="checkbox"/>		Grade of C		
# CON 101: Construction & Culture: A Built Environment (HU, G, H)	3	<input type="checkbox"/>				
# CON 100: Introduction to Construction	2	<input type="checkbox"/>				
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 TWO: 16-30 CREDIT HOURS						
# CON 243: Heavy Construction Equipment, Methods, Materials	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# CON 244: Working drawing Analysis	1	<input type="checkbox"/>				
# CON 252: Building Construction Methods, Materials, Equipment	3	<input type="checkbox"/>				
ECN 211: Macroeconomic Principles (SB)	3	<input type="checkbox"/>				
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						
# CON 221: Applied Statics	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete 14 critical courses by end of term 3. Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# CON 251: Microcomputer Applications for Construction	3	<input type="checkbox"/>				
COM 225: Public Speaking (L)	3	<input type="checkbox"/>				
ECN 212: Microeconomic Principles (SB)	3	<input type="checkbox"/>				
STP 226: Elements of Statistics (CS)	3	<input type="checkbox"/>				
TERM FOUR: 46-60 CREDIT HOURS						
# CON 223: Strength of Materials	3	<input type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses.	
# CON 271: Construction Safety	3	<input type="checkbox"/>				
# CON 241: Surveying	3	<input type="checkbox"/>				
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C)	3	<input type="checkbox"/>				
Science Quantitative (SQ) or Science General (SG)	4	<input type="checkbox"/>				
TERM SUMMER 2nd Year: 1 CREDIT HOUR						
# CON 296: Field Internship	1	<input type="checkbox"/>				
TERM FIVE: 61-75 CREDIT HOURS						
# CON 310: Testing and Materials for Construction	4	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
# CON 345: Mechanical Systems	4	<input checked="" type="checkbox"/>		Grade of C		
# CON 273: Electrical Construction Fundamental and Project Management	3	<input type="checkbox"/>				
# CON 383: Construction Estimating	4	<input checked="" type="checkbox"/>		Grade of C		
Select 1 # CON 377: Residential Construction Production Procedures (3 hrs) # CON 477: Residential Construction Business Practices (3 hrs) REA 380: Real Estate Fundamentals (3 hrs) Upper division elective (3 hrs)	3	<input checked="" type="checkbox"/>		Grade of C in CON courses		
TERM SIX: 76-90 CREDIT HOURS						
# CON 389: Construction Cost Accounting and Control (CS)	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
LES 305: Legal, Ethical, Regulatory Issues in Business	3	<input checked="" type="checkbox"/>				
Select 1 additional course from: # CON 377: Residential Construction Production Procedures (3 hrs) # CON 477: Residential Construction Business Practices (3 hrs) REA 380: Real Estate Fundamentals (3 hrs) Upper division elective (3 hrs)	3	<input checked="" type="checkbox"/>		Grade of C in CON courses		
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 SUMMER 3rd Year: 1 CREDIT HOUR						
# CON 484: Internship	1	<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 SEVEN: 91-105 CREDIT HOURS					
# CON 450: Geotechnical Applications for Construction	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.
# CON 453: Construction Project Management I	4	<input checked="" type="checkbox"/>		Grade of C	
# CON 495: Construction Planning and Scheduling	3	<input checked="" type="checkbox"/>		Grade of C	
Select 1 additional course from: # CON 377: Residential Construction Production Procedures (3 hrs) # CON 477: Residential Construction Business Practices (3 hrs) REA 380: Real Estate Fundamentals (3 hrs) Upper division elective (3 hrs)	3	<input checked="" type="checkbox"/>		Grade of C in CON courses	
TERM EIGHT: 106-120 CREDIT HOURS					
# CON 424: Structural Design	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.
# CON 455: Construction Project Management II	3	<input checked="" type="checkbox"/>		Grade of C	
# CON 496: Construction Contract Administration (L)	3	<input checked="" type="checkbox"/>		Grade of C	
Select remaining course from: # CON 377: Residential Construction Production Procedures (3 hrs) # CON 477: Residential Construction Business Practices (3 hrs) REA 380: Real Estate Fundamentals (3 hrs) Upper division elective (3 hrs)	3	<input checked="" type="checkbox"/>		Grade of C in CON courses	

Graduation Requirements Summary:

Total Hours Regular Curriculum (120)	Total Hrs at ASU (30 min)	Hrs Resident Credit for Academic Recognition (56 min)	Major GPA (2.000 Min. CUM GPA)	Total UD Hrs (45 min)	Total Comm. College Hrs. (64 Max)

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	Competed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
# ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> ASU 101-FSE should be completed first semester. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Maintain minimum ASU cumulative GPA of 2.0
MAT 265: Calculus for Engineers I (MA)	3	<input type="checkbox"/>		Grade of C		
PHY 111/113: General Physics I/ Laboratory I (SQ)	3/1	<input type="checkbox"/>		Grade of C		
# CON 101: Construction and Culture: A Built Environment (HU, G, H)	3	<input type="checkbox"/>				
# CON 100: Introduction to Construction	2	<input type="checkbox"/>				
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 TWO: 16-30 CREDIT HOURS						
# CON 243: Heavy Construction Equipment, Methods, Materials	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# CON 244: Working Drawing Analysis	1	<input type="checkbox"/>				
# CON 252: Building Construction Methods, Materials, Equipment	3	<input type="checkbox"/>				
ECN 211: Macroeconomic Principles (SB)	3	<input type="checkbox"/>				
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						
# CON 221: Applied Statics	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete 13 critical courses by end of term 3 Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# CON 251: Microcomputer Applications for Construction	3	<input type="checkbox"/>				
COM 225: Public Speaking (L)	3	<input type="checkbox"/>				
ECN 212: Microeconomic Principles (SB)	3	<input type="checkbox"/>				
STP 226: Elements of Statistics (CS)	3	<input type="checkbox"/>				
TERM FOUR: 46-60 CREDIT HOURS						
# CON 223: Strength of Materials	3	<input type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses.	
# CON 271: Construction Safety	3	<input type="checkbox"/>				
# CON 241: Surveying	3	<input type="checkbox"/>				
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C)	3	<input type="checkbox"/>				
Science Quantitative (SQ) or Science General (SG)	4	<input type="checkbox"/>				
TERM SUMMER 2nd Year: 1 CREDIT HOUR						
# CON 296: Field Internship	1	<input type="checkbox"/>				
TERM FIVE: 61-75 CREDIT HOURS						
# CON 310: Testing and Materials for Construction	4	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
# CON 345: Mechanical Systems	4	<input checked="" type="checkbox"/>		Grade of C		
# CON 273: Electrical Construction Fundamental and Project Management	3	<input type="checkbox"/>				
# CON 383: Construction Estimating	4	<input checked="" type="checkbox"/>		Grade of C		
Select 1 # CON 468: Mechanical and Electrical Estimating (3 hrs) # CON 471: Mechanical and Electrical Project (3 hrs) # CON 494: Special Topics: Cleanroom Construction (3 hrs) Upper division elective (3 hrs)	3	<input checked="" type="checkbox"/>		Grade of C in CON Courses		
TERM SIX: 76-90 CREDIT HOURS						
# CON 389: Construction Cost Accounting and Control (CS)	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.	
LES 305: Legal, Ethical, Regulatory Issues in Business	3	<input type="checkbox"/>				
Select 1 additional course from: # CON 468: Mechanical and Electrical Estimating (3 hrs) # CON 471: Mechanical and Electrical Project (3 hrs) # CON 494: Special Topics: Cleanroom Construction (3 hrs) Upper division elective (3 hrs)	3	<input checked="" type="checkbox"/>		Grade of C in CON Courses		
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 SUMMER 3rd Year: 1 CREDIT HOUR						
# CON 484: Internship	1	<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 SEVEN: 91-105 CREDIT HOURS					
# CON 450: Geotechnical Applications for Construction	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.
# CON 453: Construction Project Management I	4	<input checked="" type="checkbox"/>		Grade of C	
# CON 495: Construction Planning and Scheduling	3	<input checked="" type="checkbox"/>		Grade of C	
Select 1 additional course from: # CON 468: Mechanical and Electrical Estimating (3 hrs) # CON 471: Mechanical and Electrical Project (3 hrs) # CON 494: Special Topics: Cleanroom Construction (3 hrs) Upper division elective (3 hrs)	3	<input checked="" type="checkbox"/>		Grade of C in CON Courses	
TERM EIGHT: 106-120 CREDIT HOURS					
# CON 424: Structural Design	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. Note: maximum of two "D" grades are allowed in all 3XX and 4XX courses combined.
# CON 455: Construction Project Management II	3	<input checked="" type="checkbox"/>		Grade of C	
# CON 496: Construction Contract Administration	3	<input checked="" type="checkbox"/>		Grade of C	
Select remaining course from: # CON 468: Mechanical and Electrical Estimating (3 hrs) # CON 471: Mechanical and Electrical Project (3 hrs) # CON 494: Special Topics: Cleanroom Construction (3 hrs) Upper division elective (3 hrs)	3	<input checked="" type="checkbox"/>		Grade of C in CON Courses	

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 - 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 Transfer Pathway:		Completed General Education:		
			<input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None	Transfer Course/Grade	Minimum Grade if Required	<input type="checkbox"/> AGECE <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
TERM ONE: 0-15 CREDIT HOURS							
ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> • Complete MAT 265 with a minimum grade of "C". • ASU 101-FSE should be completed first semester. • An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course * CHM 113 is a prerequisite and does not apply towards degree credit **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. • Maintain minimum ASU cumulative GPA of 2.0 	
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II * (SQ)	4	<input type="checkbox"/>					
# CSE 100: Principles of Programming with C++ (CS) OR # EEE 120: Digital Design Fundamentals	3	<input type="checkbox"/>					
# EEE 101: Introduction to Engineering Design OR BME 111: Engineering Perspectives on Biological Systems	2 or 3	<input type="checkbox"/>					
MAT 265: Calculus for Engineers I	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			
TERM TWO: 16-30 CREDIT HOURS							
# CSE 100: Principles of Programming with C++ (CS) OR # EEE 120: Digital Design Fundamentals	3	<input type="checkbox"/>					<ul style="list-style-type: none"> • Maintain minimum ASU cumulative GPA of 2.0 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses.
# EEE 101: Introduction to Engineering Design OR BME 111: Engineering Perspectives on Biological Systems	2 or 3	<input type="checkbox"/>					
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>		Grade of C			
PHY 121/122: University Physics I/Laboratory I (SQ)	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			
TERM THREE: 31-45 CREDIT HOURS							
# EEE 202: Circuits I	4	<input type="checkbox"/>				<ul style="list-style-type: none"> • Complete 10 critical courses by end of term 3 • Maintain minimum ASU cumulative GPA of 2.0 • Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
MAT 267: Calculus for Engineers III	3	<input type="checkbox"/>		Grade of C			
MAT 274: Elementary Differential Equations (MA) OR MAT 275: Modern Differential Equations (MA)	3	<input type="checkbox"/>		Grade of C			
PHY 131/132: University Physics II Electricity and Magnetism/Laboratory II (SQ)	3/1	<input type="checkbox"/>		Grade of C			
TERM FOUR: 46-60 CREDIT HOURS							
# EEE 203: Signals and Systems I	3	<input type="checkbox"/>				<ul style="list-style-type: none"> # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# EEE 241: Fundamentals of Electromagnetics	3	<input type="checkbox"/>					
MAT 342: Linear Algebra (MA) OR MAT 343: Applied Linear Algebra	3	<input checked="" type="checkbox"/>		Grade of C			
PHY 241: University Physics III	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"/>					
TERM FIVE: 61-75 CREDIT HOURS							
# EEE 334: Circuits II	4	<input checked="" type="checkbox"/>				<ul style="list-style-type: none"> • Area Pathway Courses: (choose 4) EEE 304, 333, 335, 341, 352, 360. Area Pathway courses are prerequisites for Technical Electives. See Advisor for guidance in selection. # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# EEE 350: Random Signal Analysis	3	<input checked="" type="checkbox"/>					
# EEE 230: Computer Organization and Assembly Language Programming	3	<input type="checkbox"/>					
# Area Pathway Course	4	<input checked="" type="checkbox"/>					
TERM SIX: 76-90 CREDIT HOURS							
ECN 211/212 (SB): Macroeconomic Principles/Microeconomic Principles or ECN 201: Economic Issues & Analysis (SB)	3	<input type="checkbox"/>				<ul style="list-style-type: none"> • Area Pathway Courses: (choose 4) EEE 304, 333, 335, 341, 352, 360. Area Pathway courses are prerequisites for Technical Electives. See Advisor for guidance in selection. # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# Area Pathway Course	4	<input checked="" type="checkbox"/>					
# Area Pathway Course	4	<input checked="" type="checkbox"/>					
# Area Pathway Course	4	<input checked="" type="checkbox"/>					
TERM SEVEN: 91-105 CREDIT HOURS							
# EEE 488: Senior Design Laboratory I (L)	3	<input checked="" type="checkbox"/>				<ul style="list-style-type: none"> • See Degree Audit Reporting System (DARS) for approved list of Technical Electives # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
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"/>					
# Technical Elective	3	<input checked="" type="checkbox"/>					
# Technical Elective	3	<input checked="" type="checkbox"/>					
TERM EIGHT: 106-120 CREDIT HOURS							
# EEE 489: Senior Design Laboratory II (L)	3	<input checked="" type="checkbox"/>				<ul style="list-style-type: none"> • See Degree Audit Reporting System (DARS) for approved list of Technical Electives # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses. 	
# Technical Elective	3	<input checked="" type="checkbox"/>					
# Technical Elective	3	<input checked="" type="checkbox"/>					
# Technical Elective	3	<input checked="" type="checkbox"/>					
UD Humanities, Fine Arts & Design (HU) OR Social Behavioral & Science (SB)	3	<input checked="" type="checkbox"/>					

Graduation Requirements Summary:

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

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 Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGECE <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> ASU 101-FSE should be completed first semester. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course * CHM 113 is a prerequisite and does not apply towards degree credit **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. # Designates Major course: A minimum cumulative GPA of 2.0 required in major courses. • Maintain minimum ASU cumulative GPA of 2.0
CHM 114: General Chemistry for Engineers OR CHM 116: General Chemistry II *	4	<input type="checkbox"/>				
# CSE 100: Principles of Programming with C++ (CS) OR # EEE 120: Digital Design Fundamentals	3	<input type="checkbox"/>				
# EEE 101: Introduction to Engineering Design OR BME 111: Engineering Perspectives on Biological Systems	2 or 3	<input type="checkbox"/>				
MAT 265: Calculus for Engineers 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	
TERM TWO: 16-30 CREDIT HOURS						
# CSE 100: Principles of Programming with C++ (CS) OR # EEE 120: Digital Design Fundamentals	3	<input type="checkbox"/>				<ul style="list-style-type: none"> • Maintain minimum ASU cumulative GPA of 2.0 # Designates Major course: A minimum cumulative GPA of 2.0 required in major courses.
# EEE 101: Introduction to Engineering Design OR BME 111: Engineering Perspectives on Biological Systems	2 or 3	<input type="checkbox"/>				
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>			Grade of C	
PHY 121/122: University Physics I/ Laboratory I (SQ)	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						
# EEE 202: Circuits I	4	<input type="checkbox"/>				<ul style="list-style-type: none"> • Complete 10 critical courses (including labs) by end of term 3 • Maintain minimum ASU cumulative GPA of 2.0 • Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 # Designates Major course: A minimum cumulative GPA of 2.0 required in major courses.
MAT 267: Calculus for Engineers III	3	<input type="checkbox"/>			Grade of C	
MAT 274: Elementary Differential Equations (MA) OR MAT 275: Modern Differential Equations (MA)	3	<input type="checkbox"/>			Grade of C	
PHY 131/132: University Physics II Electricity and Magnetism/ Laboratory II (SQ)	3/1	<input type="checkbox"/>			Grade of C	
TERM FOUR: 46-60 CREDIT HOURS						
# EEE 203: Signals and Systems I	3	<input type="checkbox"/>				# Designates Major course: A minimum cumulative GPA of 2.0 required in major courses.
# EEE 241: Fundamentals of Electromagnetics	3	<input type="checkbox"/>				
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	<input checked="" type="checkbox"/>			Grade of C	
PHY 241: University Physics III	3	<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"/>				
TERM FIVE: 61-75 CREDIT HOURS						
# EEE 230: Computer Organization and Assembly Language Programming	3	<input type="checkbox"/>				# Designates Major course: A minimum cumulative GPA of 2.0 required in major courses.
# EEE 334: Circuits II	4	<input checked="" type="checkbox"/>				
# EEE 350: Random Signal Analysis	3	<input checked="" type="checkbox"/>				
# EEE 360: Energy Systems and Power Electronics	4	<input checked="" type="checkbox"/>				
TERM SIX: 76-90 CREDIT HOURS						
ECN 211/212 (SB): Macroeconomic Principles/Microeconomic Principles or ECN 201: Economic Issues & Analysis (SB)	3	<input type="checkbox"/>				<ul style="list-style-type: none"> • Area Pathway Courses: (choose 3) EEE 304, 333, 335, 341, 352. Area Pathway courses are prerequisites for Technical Electives. See Advisor for guidance in selection. # Designates Major course: A minimum cumulative GPA of 2.0 required in major courses.
# Area Pathway Course	4	<input checked="" type="checkbox"/>				
# Area Pathway Course	4	<input checked="" type="checkbox"/>				
# Area Pathway Course	4	<input checked="" type="checkbox"/>				
TERM SEVEN: 91-105 CREDIT HOURS						
# EEE 488: Senior Design Laboratory I (L)	3	<input checked="" type="checkbox"/>				# Designates Major course: A minimum cumulative GPA of 2.0 required in major courses.
Select 2						
# EEE 460: Nuclear Concepts for the 21 st Century (3 hrs)						
# EEE 463: Electrical Power Plant (3 hrs)						
# EEE 470: Electric Power Devices (3 hrs)						
# EEE 471: Power System Analysis (3 hrs)						
# EEE 473: Electrical Machinery (3 hrs)						
# EEE 498: Pro-Seminar (Power Elec.) (3 hrs) # EEE 498: Pro-Seminar (Solar Energy) (3 hrs)	6	<input checked="" type="checkbox"/>				
GCU 364: Energy in the Global Arena (SB, G)	3	<input checked="" type="checkbox"/>				
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C), or Historical Awareness (H)	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					
# EEE 489: Senior Design Laboratory II (L)	3	<input checked="" type="checkbox"/>			<ul style="list-style-type: none"> • See Degree Audit Reporting System (DARS) for approved list of Technical Electives # Designates Major course: A minimum cumulative GPA of 2.0 required in major courses.
Select 1 not previously selected:					
# EEE 460: Nuclear Concepts for the 21 st Century (3 hrs)					
# EEE 463: Electrical Power Plant (3 hrs)					
# EEE 470: Electric Power Devices (3 hrs)					
# EEE 471: Power System Analysis (3 hrs)					
# EEE 473: Electrical Machinery (3 hrs)					
# EEE 498: Pro-Seminar (Power Elec.) (3 hrs)					
# EEE 498: Pro-Seminar (Solar Energy) (3 hrs)	3	<input checked="" type="checkbox"/>			
# Technical Elective	3	<input checked="" type="checkbox"/>			
# Technical Elective	3	<input checked="" type="checkbox"/>			
Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input type="checkbox"/>			

Graduation Requirements Summary:

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

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	Competed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
ASU 101-FSE: The ASU Experience	1	<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 ** If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. Maintain minimum ASU cumulative GPA of 2.0
BME 100: Introduction to Bioengineering OR BIO 181: General Biology II (CS)	2 or 4	<input type="checkbox"/>		Grade of C		
MAT 265: Calculus for Engineers I	3	<input type="checkbox"/>		Grade of C		
CHM 113: General Chemistry I (SQ)	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 TWO: 16-30 CREDIT HOURS						
BME 100: Introduction to Bioengineering OR BIO 181: General Biology II (SQ)	2 or 4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0 	
CHM 116: General Chemistry II (SQ)	4	<input type="checkbox"/>		Grade of C		
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>		Grade of C		
PHY 121/122: University Physics I/ Laboratory I (SQ)	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						
BME 235: Physiology for Engineers	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete 11 critical courses by end of term 3 Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 	
PHY 131/132: University Physics II Electricity and Magnetism/Laboratory II (SQ)	3/1	<input type="checkbox"/>		Grade of C		
CHM 233/237: General Organic Chemistry I/Laboratory I	3/1	<input type="checkbox"/>		Grade of C		
CSE 100: Principles of Programming with C++ (CS)	3	<input type="checkbox"/>				
TERM FOUR: 46-60 CREDIT HOURS						
BME 200: Conservation Principles in Bioengineering	3	<input type="checkbox"/>		Grade of C		
EEE 202: Circuits I	4	<input type="checkbox"/>		Grade of C		
MAE 212: Engineering Mechanics	4	<input type="checkbox"/>		Grade of C		
MAT 275: Modern Differential Equations (MA)	3	<input type="checkbox"/>		Grade of C		
CHM 234/238: General Organic Chemistry II/Laboratory II OR Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C in CHM 234/238		
TERM FIVE: 61-75 CREDIT HOURS						
# BME 318: Biomaterials	4	<input checked="" type="checkbox"/>			# Designates Major Course: A minimum cumulative GPA of 2.0 required.	
# BME 350: Signals and Systems for Bioengineering	3	<input checked="" type="checkbox"/>				
# CHM 341: Elementary Physical Chemistry	3	<input checked="" type="checkbox"/>		Grade of C		
# MAT 343: Applied Linear Algebra	3	<input checked="" 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 SIX: 76-90 CREDIT HOURS						
# BME 300: Bioengineering Product Design	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Major Course: A minimum cumulative GPA of 2.0 required.	
# BME 331: Bioengineering Transport Phenomena	3	<input checked="" type="checkbox"/>				
# BME 370: Microcomputer Applications in Bioengineering	3	<input checked="" type="checkbox"/>				
CHM 234/238: General Organic Chemistry II/Laboratory II OR Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H) if CHM 234/238 completed	4 or 3	<input type="checkbox"/>		Grade of C in CHM 234/238		
# IEE 380: Probability and Statistics for Engineering Problem Solving	3	<input type="checkbox"/>				
TERM SEVEN: 91-105 CREDIT HOURS						
# BME 413: Biomedical Instrumentation (BME 413 + 423 = L)	3	<input checked="" type="checkbox"/>			# Designates Major Course: A minimum cumulative GPA of 2.0 required.	
# BME 417: Biomedical Engineering Capstone Design I (L)	4	<input checked="" type="checkbox"/>		Grade of C		
# BME 423: Biomedical Instrumentation Laboratory	1	<input checked="" type="checkbox"/>				
# BME 434: Applications of Bioengineering OR # BME 416: Biomechanics OR # BME 419: Biocontrol Systems	3	<input checked="" 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 EIGHT: 106-120 CREDIT HOURS						
# BME 490: Biomedical Engineering Capstone Design II	4	<input checked="" type="checkbox"/>			# Designates Major Course: A minimum cumulative GPA of 2.0 required.	
Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input checked="" type="checkbox"/>				
# Technical Elective	1	<input checked="" type="checkbox"/>				
UD Humanities, Fine Arts & Design (HU) OR Social Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				

Graduation Requirements Summary:

Total Hours Regular Curriculum (120)	Total Hrs at ASU (30 min)	Hrs Resident Credit for Academic Recognition (56 min)	Major GPA (2.000 Min. CUM GPA)	Total UD Hrs (45 min)	Total Comm. College Hrs. (64 Max)

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	Competed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> ASU 101-FSE should be completed first semester. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course ** If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. Maintain minimum ASU cumulative GPA of 2.0
IEE 100: Intro to Engineering Design OR CSE 110: Principles of Programming with Java (or CSE 100: Principles of Programming with C++) (CS)	2 or 3	<input type="checkbox"/>			Grade of C	
BME 111: Engineering Perspectives on Biological Systems	3	<input type="checkbox"/>				
MAT 265: Calculus for Engineers 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	
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						
IEE 100: Intro to Engineering Design OR CSE 110: Principles of Programming with Java (or CSE 100: Principles of Programming with C++) (CS)	2 or 3	<input type="checkbox"/>			Grade of C	<ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>			Grade of C	
PHY 121/122: University Physics I/ Laboratory I (SQ)	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						
ECN 211: Macroeconomic Principles (SB)	3	<input type="checkbox"/>				<ul style="list-style-type: none"> Complete 9 critical courses by end of term 3 Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105
CSE 205: Object-Oriented Programming and Data Structures (CS)	3	<input type="checkbox"/>				
IEE 210: Introduction to Industrial Engineering	3	<input type="checkbox"/>			Grade of C	
MAT 267: Calculus for Engineers III	3	<input type="checkbox"/>				
PHY 131/132: University Physics II Electricity and Magnetism/ Laboratory II (SQ)	3/1	<input type="checkbox"/>				
TERM FOUR: 46-60 CREDIT HOURS						
IEE 220: Business/Industrial Engineering	3	<input type="checkbox"/>			Grade of C	<ul style="list-style-type: none"> *CHM 113 is a prerequisite and does not apply towards degree credit
CHM 114: General Chemistry for Engineers OR CHM 116: General Chemistry II *	4	<input type="checkbox"/>				
MAT 242: Elementary Linear Algebra	2	<input type="checkbox"/>				
MAT 275: Modern Differential Equations (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"/>				
TERM FIVE: 61-75 CREDIT HOURS						
IEE 300: Economic Analysis for Engineers	3	<input checked="" type="checkbox"/>			Grade of C	
IEE 305: Information Systems Engineering	3	<input checked="" type="checkbox"/>			Grade of C	
IEE 380: Probability and Statistics for Engineering Problem Solving	3	<input checked="" type="checkbox"/>			Grade of C	
IEE 382: Probability & Statistics Lab	1	<input checked="" type="checkbox"/>			Grade of C	
<i>Complete 1 course from:</i> EEE 202: Circuits I (4 hrs) MAE 212: Engineering Mechanics (4 hrs) MSE 250: Structure and Properties of Materials (3 hrs)	3 or 4	<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 SIX: 76-90 CREDIT HOURS						
IEE 376: Operations Research Deterministic Techniques/Applications	3	<input checked="" type="checkbox"/>			Grade of C	
IEE 369: Work Analysis and Design (L)	3	<input checked="" type="checkbox"/>			Grade of C	
<i>Complete remaining 2 courses from:</i> EEE 202: Circuits I (4 hrs) MAE 212: Engineering Mechanics (4 hrs) MSE 250: Structure and Properties of Materials (3 hrs)	7 or 8	<input type="checkbox"/>				
TERM SEVEN: 91-105 CREDIT HOURS						
IEE 470: Stochastic Operations Research	3	<input checked="" type="checkbox"/>			Grade of C	
IEE 474: Quality Control	3	<input checked="" type="checkbox"/>			Grade of C	
IEE 475: Simulating Stochastic Systems	4	<input checked="" type="checkbox"/>			Grade of C	
Career Focused Elective	3	<input checked="" type="checkbox"/>				
UD Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				
TERM EIGHT: 106-120 CREDIT HOURS						
IEE 461: Production Control	3	<input checked="" type="checkbox"/>			Grade of C	
IEE 490: Project in Design and Development (L)	3	<input checked="" type="checkbox"/>			Grade of C	
IEE Technical Elective	3	<input checked="" type="checkbox"/>			Grade of C	
Career Focused Elective	3	<input checked="" type="checkbox"/>				
Career Focused Elective	3	<input checked="" type="checkbox"/>				

Graduation Requirements Summary:

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

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>	Hr s.	Upper Division	Completed Transfer Pathway:		Completed General Education:	
			<input type="checkbox"/> MAPP	<input type="checkbox"/> TAG	<input type="checkbox"/> ATP	<input type="checkbox"/> None
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>			<ul style="list-style-type: none"> ASU 101-FSE should be completed first semester. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course ** If ENG 105, a 3 hr applicable elective must also be taken prior to graduation. See Advisor. #Designates Core Course: A minimum cumulative GPA of 2.50 required in core courses. (NOTE: An additional HU/SB can be move up to Term 1, or any deficiency courses can be added) 	
# CPI 101: Intro to Informatics (CS)	3	<input type="checkbox"/>		Grade of C		
# CSE 110: Principles of Programming with Java (CS)	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		
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						
# CSE 205: Object Oriented Programming and Data Structures (CS)	3	<input type="checkbox"/>		Grade of C	#Designates Core Course: A minimum cumulative GPA of 2.50 required in core courses.	
# MAT 210: Brief Introduction to Calculus (MA) or # MAT 265: Calculus for Engineers I (MA)	3	<input type="checkbox"/>		Grade of C		
# CPI 200: Mathematical Foundations of Informatics (MA)	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		
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						
# IEE 305: Information Systems Engineering (CS)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete all 6 critical courses each with a minimum grade of C. Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 See advisor for approved list of Informatics Electives #Designates Core Course: A minimum cumulative GPA of 2.50 required in core courses. ##Designates Focal Area & Informatics Elective: A minimum cumulative GPA of 2.50 required in focus area courses and informatics electives. 	
# MAT 242: Linear Algebra (MA)	2	<input type="checkbox"/>		Grade of C		
## Informatics Elective	3	<input type="checkbox"/>		Grade of C		
Literacy & Critical Inquiry (L)	3	<input type="checkbox"/>				
Laboratory Science (SG)	4	<input type="checkbox"/>				
TERM FOUR: 46-60 CREDIT HOURS						
# CPI 310: Information and Data Management	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> See advisor for approved list of Informatics Electives #Designates Core Course: A minimum cumulative GPA of 2.50 required in core courses. ##Designates Focal Area & Informatics Elective: A minimum cumulative GPA of 2.50 required in focus area courses and informatics electives. 	
Laboratory Science (SQ)	4	<input type="checkbox"/>				
# MAT 243: Discrete Mathematical Structures	3	<input type="checkbox"/>		Grade of C		
## Informatics Elective	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 FIVE: 61-75 CREDIT HOURS						
# CPI 360: Decision Making and Problem Solving	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> See advisor for approved list of Informatics Electives #Designates Core Course: A minimum cumulative GPA of 2.50 required in core courses. ##Designates Focal Area & Informatics Elective: A minimum cumulative GPA of 2.50 required in focus area courses and informatics electives. 	
# STP 420: Introductory Applied Statistics (CS) OR # STP 231: Statistics for the Life Sciences (CS) OR # GCU 495: Quantitative Methods in Geography (CS) OR # IEE 380: Probability & Statistics for Engineering Problem Solving (CS)	3	<input type="checkbox"/>		Grade of C		
## Informatics Elective	3	<input type="checkbox"/>		Grade of C		
## Informatics 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"/>				
TERM SIX: 76-90 CREDIT HOURS						
# CPI 350/394: Evaluation of Informatics Systems	3	<input checked="" type="checkbox"/>		Grade of C	#Designates Core Course: A minimum cumulative GPA of 2.50 required in core courses. ##Designates Focal Area & Informatics Elective: A minimum cumulative GPA of 2.50 required in focus area courses and informatics electives.	
# CSE 463: Introduction to Human Computer Interaction	3	<input checked="" type="checkbox"/>		Grade of C		
## Informatics Elective	3	<input type="checkbox"/>		Grade of C		
## Informatics Elective	3	<input 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						
# CPI 485/494: Informatics Capstone I (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> See advisor for approved list of Informatics Electives #Designates Core Course: A minimum cumulative GPA of 2.50 required in core courses. ##Designates Focal Area & Informatics Elective: A minimum cumulative GPA of 2.50 required in focus area courses and informatics electives. 	
## Focus Area Required Course	3	<input checked="" type="checkbox"/>		Grade of C		
## Focus Area Required Course	3	<input checked="" type="checkbox"/>		Grade of C		
## Focus Area Required Course	3	<input checked="" type="checkbox"/>		Grade of C		
## Informatics 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 Requirement Notes
TERM EIGHT: 106-120 CREDIT HOURS					
## CPI 486/494: Informatics Capstone I (L)	4	<input checked="" type="checkbox"/>		Grade of C	##Designates Focal Area & Informatics Elective: A minimum cumulative GPA of 2.50 required in focus area courses and informatics electives.
## Focus Area Required Course	3	<input checked="" type="checkbox"/>		Grade of C	
## Focus Area Required Course	3	<input checked="" type="checkbox"/>		Grade of C	
## Upper Division Informatics Elective	3	<input checked="" type="checkbox"/>		Grade of C	
## Upper Division Informatics Elective	3	<input checked="" type="checkbox"/>		Grade of C	

Graduation Requirements Summary:

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

General University Requirements: Legend

- 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 Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> ASU 101-FSE should be completed first semester. Minimum CUM ASU 2.0 GPA required An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses Maintain minimum ASU cumulative GPA of 2.0
CHM 114: General Chemistry for Engineers (SQ) OR CHM 113/116 : General Chemistry I/General Chemistry II (SQ)	4	<input type="checkbox"/>				
MAT 265: Calculus for Engineers I	3	<input type="checkbox"/>			Grade of C	
# MSE 100: Introduction of Materials Engineering	2	<input type="checkbox"/>				
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 Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
TERM TWO: 16-30 CREDIT HOURS						
MAT 266: Calculus for Engineers II (MA)	3	<input type="checkbox"/>			Grade of C	<ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses
# MSE 250: Structure and Properties of Materials	3	<input type="checkbox"/>			Grade of C	
PHY 121/122: University Physics I/Laboratory I (SQ)	3/1	<input type="checkbox"/>				
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) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
TERM THREE: 31-45 CREDIT HOURS						
MAT 267: Calculus for Engineers III (MA)	3	<input type="checkbox"/>			Grade of C	<ul style="list-style-type: none"> Complete 10 critical courses (includes labs) by end of term 3 Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 OR ENG 107 & 108 or ENG 105 # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses
PHY 131/132: University Physics II Electricity and Magnetism/Laboratory II (SQ)	3/1	<input type="checkbox"/>				
BME 111: Engineering Perspectives on Biological Systems	3	<input type="checkbox"/>				
#MSE 215: Materials Synthesis	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 FOUR: 46-60 CREDIT HOURS						
MAT 275: Modern Differential Equations (MA)	3	<input type="checkbox"/>				<ul style="list-style-type: none"> Minimum CUM ASU 2.0 GPA required MSE 250 must be completed with a minimum grade of "C". # Designates Major Course: A minimum cumulative GPA of 2.0 required in major courses The advanced science elective includes most 200-level and above math/science courses. See Advisor for approved advanced science electives.
MAT 343: Applied Linear Algebra	3	<input checked="" type="checkbox"/>				
# MSE 211: Introduction to Mechanics of Materials	3	<input type="checkbox"/>				
IEE 220: Business/Industrial Engineering	3	<input type="checkbox"/>				
# Advanced Science Elective	3	<input checked="" type="checkbox"/>				
TERM FIVE: 61-75 CREDIT HOURS						
Math or Science Elective	3	<input type="checkbox"/>				<ul style="list-style-type: none"> # Designates Major Course: A minimum cumulative GPA of 2.0 required.
# MSE 315: Mathematical and Computer Methods in Materials (CS)	3	<input checked="" type="checkbox"/>				
# MSE 330: Thermodynamics of Materials	3	<input checked="" type="checkbox"/>				
# MSE 355: Materials Structure and Microstructure	3	<input checked="" type="checkbox"/>				
# MSE 356: Materials Structure and Microstructure Laboratory	1	<input checked="" 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 SIX: 76-90 CREDIT HOURS						
# MSE 335: Materials Kinetics and Processing	3	<input checked="" type="checkbox"/>				<ul style="list-style-type: none"> # Designates Major Course: A minimum cumulative GPA of 2.0 required.
# MSE 358: Introduction to Electronic, Magnetic, & Optical Properties	3	<input checked="" type="checkbox"/>				
# MSE 420: Physical Metallurgy	3	<input checked="" type="checkbox"/>				
# MSE 421: Physical Metallurgy Laboratory	1	<input checked="" type="checkbox"/>				
# MSE 450: Introduction to Materials Characterization	3	<input checked="" type="checkbox"/>				
# MSE 451: Introduction to Materials Characterization Laboratory	1	<input checked="" type="checkbox"/>				
TERM SEVEN: 91-105 CREDIT HOURS						
# MSE 440: Mechanical Properties of Solids	3	<input checked="" type="checkbox"/>				<ul style="list-style-type: none"> # Designates Major Course: A minimum cumulative GPA of 2.0 required. The advanced science elective includes most 200-level and above math/science courses. See Advisor for approved advanced science electives.
# MSE 470: Polymers and Composites	3	<input checked="" type="checkbox"/>				
# MSE 471: Introduction to Ceramics	3	<input checked="" type="checkbox"/>				
# MSE 482: Materials Engineering Design (L)	3	<input checked="" type="checkbox"/>				
# Advanced Science Elective	3	<input checked="" type="checkbox"/>				
TERM EIGHT: 106-120 CREDIT HOURS						
# MSE 490: Capstone Design Project (L)	3	<input checked="" type="checkbox"/>				<ul style="list-style-type: none"> # Designates Major Course: A minimum cumulative GPA of 2.0 required. The technical electives include most 300-level and above engineering/math/science courses. See Advisor for approved technical electives.
# MSE Technical Elective	3	<input type="checkbox"/>				
# MSE Technical Elective	3	<input type="checkbox"/>				
UD Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				

Graduation Requirements Summary:

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

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 Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGECE <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
+ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> + ASU 101-FSE and MAE 100 required for freshmen and should be completed first semester. Non-freshmen see advisor for petitioning replacement electives. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course *CHM 113 is a prerequisite and does not apply towards degree credit **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. Maintain minimum ASU cumulative GPA of 2.0
CHM 114: General Chemistry for Engineers (SQ) OR CHM 115: General Chemistry with Qualitative Analysis (SQ) OR CHM 116: General Chemistry II* (SQ)	4	<input type="checkbox"/>		Grade of C		
+MAE 100: Intro to Mechanical and Aerospace Engineering (or Department Approved Elective)	2	<input type="checkbox"/>		Grade of C in MAE 100		
MAT 265: Calculus for Engineers I (MA)	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		
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						
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0 	
PHY 121/122: University Physics I/ Laboratory I (SQ)	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		
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						
MAE 212: Engineering Mechanics	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete 10 critical courses by end of term 3 Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 	
MAT 275: Modern Differential Equations	3	<input type="checkbox"/>		Grade of C		
PHY 131/132: University Physics II Electricity and Magnetism/ Laboratory II	3/1	<input type="checkbox"/>		Grade of C		
MAE 214: Computer-Aided Engineering I	1	<input type="checkbox"/>		Grade of C		
MAT 267: Calculus for Engineers III	3	<input type="checkbox"/>		Grade of C		
TERM FOUR: 46-60 CREDIT HOURS						
MAE 213: Solid Mechanics	3	<input type="checkbox"/>		Grade of C		
MAE 240: Thermofluids I	4	<input type="checkbox"/>		Grade of C		
EEE 202: Circuits I	4	<input type="checkbox"/>		Grade of C		
MAT 343: Applied Linear Algebra	3	<input checked="" type="checkbox"/>		Grade of C		
MSE 250: Structure and Properties of Materials	3	<input type="checkbox"/>		Grade of C		
TERM FIVE: 61-75 CREDIT HOURS						
BME 111: Engineering Perspectives on Biological Systems (or dept approved BIO)	3	<input type="checkbox"/>				
MAE 322: Structural Mechanics	4	<input checked="" type="checkbox"/>		Grade of C		
MAE 340 Thermofluids II	3	<input checked="" type="checkbox"/>		Grade of C		
MAE 384: Numerical Methods for Engineers (CS)	3	<input checked="" 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 checked="" type="checkbox"/>				
TERM SIX: 76-90 CREDIT HOURS						
MAE 323: Computer-Aided Engineering II	2	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> At least one technical elective is required to be in the thermo-fluids area. See Advisor for approved list. 	
MAE 318: Sensors and Controls	5	<input checked="" type="checkbox"/>		Grade of C		
MAE 342: Principles of Mechanical Design	3	<input checked="" type="checkbox"/>		Grade of C		
Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C		
TERM SEVEN: 91-105 CREDIT HOURS						
MAE 488: Mechanical Engineering Design I	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> At least one technical elective is required to be in the thermo-fluids area. See Advisor for approved list. 	
MAE 491: Experimental Mechanical Engineering (L)	3	<input checked="" type="checkbox"/>		Grade of C		
Technical Elective	3	<input checked="" 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"/>				
UD Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				
TERM EIGHT: 106-120 CREDIT HOURS						
MAE 400: Engineering Profession (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> See advisor for approved General Electives. At least one technical elective is required to be in the thermo-fluids area. See Advisor for approved list. 	
MAE 489: Mechanical Engineering Design II	3	<input checked="" type="checkbox"/>		Grade of C		
Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C		
General Elective	3	<input type="checkbox"/>				

Graduation Requirements Summary:

Total Hours Regular Curriculum (120)	Total Hrs at ASU (30 min)	Hrs Resident Credit for Academic Recognition (56 min)	Major GPA (2.000 Min. CUM GPA)	Total UD Hrs (45 min)	Total Comm. College Hrs. (64 Max)

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	Competed Transfer Pathway:		Completed General Education:	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
+ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				+ ASU 101-FSE and MAE 100 required for freshmen and should be completed first semester. Non-freshmen see advisor for petitioning replacement electives. <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 *CHM 113 is a prerequisite and does not apply towards degree credit **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. <ul style="list-style-type: none"> Maintain minimum ASU cumulative GPA of 2.0
CHM 114: General Chemistry for Engineers (SQ) OR CHM 115: General Chemistry with Qualitative Analysis (SQ) OR CHM 116: General Chemistry II* (SQ)	4	<input type="checkbox"/>		Grade of C		
+MAE 100: Introduction to Mechanical and Aerospace Engineering (or Department Approved Elective)	2	<input type="checkbox"/>		Grade of C in MAE 100		
MAT 265: Calculus for Engineers I (MA)	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		
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"> Maintain minimum ASU cumulative GPA of 2.0 	
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>		Grade of C		
PHY 121/122: University Physics I/ Laboratory I (SQ)	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		
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						
MAE 212: Engineering Mechanics	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Complete 10 critical courses by end of term 3 Maintain minimum ASU cumulative GPA of 2.0 Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 	
MAT 275: Modern Differential Equations	3	<input type="checkbox"/>		Grade of C		
PHY 131/132: University Physics II Electricity and Magnetism/ Laboratory II (SQ)	3/1	<input type="checkbox"/>		Grade of C		
MAE 214: Computer-Aided Engineering I	1	<input type="checkbox"/>		Grade of C		
MAT 267: Calculus for Engineers III	3	<input type="checkbox"/>		Grade of C		
TERM FOUR: 46-60 CREDIT HOURS						
MAE 213: Solid Mechanics	3	<input type="checkbox"/>		Grade of C		
MAE 240: Thermofluids I	4	<input type="checkbox"/>		Grade of C		
PHI 103: Principles of Sound Reasoning (HU)	3	<input type="checkbox"/>				
MAT 343: Applied Linear Algebra	3	<input checked="" type="checkbox"/>		Grade of C		
MSE 250: Structure and Properties of Materials	3	<input type="checkbox"/>		Grade of C		
TERM FIVE: 61-75 CREDIT HOURS						
MAE 340: Thermofluids II	3	<input checked="" type="checkbox"/>		Grade of C		
EEE 202: Circuits I	4	<input type="checkbox"/>		Grade of C		
MAE 322: Structural Mechanics	4	<input checked="" type="checkbox"/>		Grade of C		
MAE 384: Numerical Methods for Engineers (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
TERM SIX: 76-90 CREDIT HOURS						
BME 111: Engineering Perspectives on Biological Systems (or dept approved BIO)	3	<input type="checkbox"/>				
MAE 318: Sensors and Controls	5	<input checked="" type="checkbox"/>		Grade of C		
MAE 323 Computer-Aided Engineering II	2	<input checked="" type="checkbox"/>		Grade of C		
MAE 342: Principles of Mechanical Design	3	<input checked="" type="checkbox"/>		Grade of C		
Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C		
TERM SEVEN: 91-105 CREDIT HOURS						
MAE 491: Experimental Mechanical Engineering (L)	3	<input checked="" type="checkbox"/>		Grade of C		
MAE 488: Mechanical Engineering Design I	3	<input checked="" type="checkbox"/>		Grade of C		
Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Technical Elective	3	<input checked="" 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 EIGHT: 106-120 CREDIT HOURS						
MAE 400: Engineering Profession (L)	3	<input checked="" type="checkbox"/>		Grade of C		
MAE 489: Mechanical Engineering Design II	3	<input checked="" type="checkbox"/>		Grade of C		
MAE 471 Computational Fluid Dynamics	3	<input checked="" 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"/>				
UD Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				

Graduation Requirements Summary:

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

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 Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
+ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>				<ul style="list-style-type: none"> + ASU 101-FSE and MAE 100 required for freshmen and should be completed first semester. Non-freshmen see advisor for petitioning replacement electives. • An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course *CHM 113 is a prerequisite and does not apply towards degree credit **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. • Maintain minimum ASU cumulative GPA of 2.0
CHM 114: General Chemistry for Engineers(SQ) OR CHM 115: General Chemistry with Qualitative Analysis (SQ) OR CHM 116: General Chemistry II* (SQ)	4	<input type="checkbox"/>		Grade of C		
+MAE 100: Introduction to Mechanical and Aerospace Engineering (or Department Approved Elective)	2	<input type="checkbox"/>		Grade of C in MAE 100		
MAT 265: Calculus for Engineers 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		
Social & Behavioral Science (SB) AND Cultural Diversity in the US (C), or Historical Awareness (H)	3	<input type="checkbox"/>				
TERM TWO: 16-30 CREDIT HOURS						
MAT 266: Calculus for Engineers II	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> • Maintain minimum ASU cumulative GPA of 2.0 	
PHY 121/122: University Physics I/ Laboratory I (SQ)	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		
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						
MAE 212: Engineering Mechanics	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> • Complete 10 critical courses by end of term 3 • Maintain minimum ASU cumulative GPA of 2.0 • Complete First-Year Composition requirement: ENG 101 & 102 or ENG 107 & 108 or ENG 105 	
MAT 275: Modern Differential Equations (MA)	3	<input type="checkbox"/>		Grade of C		
PHY 131/132: University Physics II Electricity and Magnetism/ Laboratory (SQ)	3/1	<input type="checkbox"/>		Grade of C		
MAE 214: Computer-Aided Engineering I	1	<input type="checkbox"/>		Grade of C		
MAT 267: Calculus for Engineers III	3	<input type="checkbox"/>		Grade of C		
TERM FOUR: 46-60 CREDIT HOURS						
MAE 213: Solid Mechanics	3	<input type="checkbox"/>		Grade of C		
MAE 240: Thermofluids I	4	<input type="checkbox"/>		Grade of C		
CHM 231: Elementary Organic Chemistry	3	<input type="checkbox"/>		Grade of C		
MAT 343: Applied Linear Algebra	3	<input checked="" type="checkbox"/>		Grade of C		
MSE 250: Structure and Properties of Materials	3	<input type="checkbox"/>		Grade of C		
TERM FIVE: 61-75 CREDIT HOURS						
MAE 340: Thermofluids II	3	<input checked="" type="checkbox"/>		Grade of C		
EEE 202: Circuits I	4	<input type="checkbox"/>		Grade of C		
MAE 322: Structural Mechanics	4	<input checked="" type="checkbox"/>		Grade of C		
MAE 323: Computer-Aided Engineering II	2	<input checked="" type="checkbox"/>		Grade of C		
MAE 384: Numerical Methods for Engineers (CS)	3	<input checked="" type="checkbox"/>		Grade of C		
TERM SIX: 76-90 CREDIT HOURS						
BIO 319 Environmental Science (G) or BIO 310: Fundamentals of Ecology (3) or BIO 181 or BIO 182: General Biology I or II (4), or BME 111: Engineering Perspectives on Biological Systems (3)	3-4	<input checked="" type="checkbox"/>				
MAE 318: Sensors and Controls	5	<input checked="" type="checkbox"/>		Grade of C		
MAE 342: Principles of Mechanical Design	3	<input checked="" type="checkbox"/>		Grade of C		
Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C		
TERM SEVEN: 91-105 CREDIT HOURS						
MAE 382: Thermodynamics	3	<input checked="" type="checkbox"/>		Grade of C		
MAE 491: Experimental Mechanical Engineering (L)	3	<input checked="" type="checkbox"/>		Grade of C		
Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C		
Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C		
GCU 364: Energy in the Global Arena (SB,G) or PUP 190: Sustainable Cities (HU, G or SB,G)	3	<input type="checkbox"/>				
TERM EIGHT: 106-120 CREDIT HOURS						
MAE 400: Engineering Profession (L)	3	<input checked="" type="checkbox"/>		Grade of C		
MAE 446: Energy Systems Design	3	<input checked="" type="checkbox"/>		Grade of C		
Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C		
GPH 314: Global Change (HU,G) or PHI 310: Environmental Ethics (HU)	3	<input checked="" type="checkbox"/>				
Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB) (6 hrs min in both SB & HU required)	3	<input type="checkbox"/>				

Graduation Requirements Summary:

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

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:

Barrett Academic Course Requirements

Honors students must maintain high standards of academic performance and show progress toward completion of graduation requirements in their disciplinary majors and in Barrett. In order to graduate from Barrett, students must complete the following (which includes a total of 36 credit hours of honors course work):

1. HON 171 and HON 272/273/274 The Human Event must be completed in sequence during a student's first two semesters in the college.
2. Thirty additional credit hours of honors course work must be earned with a letter grade of "C" (2.00) or higher. This may include HON prefix classes, honors sections of classes, honors contracts or any automatic honors course such as ENG 105 (in-person sections), CHM 117, CHM 118, PHY 333, or any graduate-level course.
3. Included in the 36 credit hours of honors course work are 18 hours of upper-division or graduate-level honors credits for an earned letter grade of "C" (2.00) or higher, including six credit hours of honors course work outside the academic major. Students should investigate specialized honors upper-division tracks within their majors.
4. Students admitted as upper-division transfer students (defined as 48 post-high school university credits completed by the time of planned enrollment in Barrett) must complete a three-credit, 300-level upper-division HON special topics course in addition to the 18 required hours of upper-division honors course work. Six of the 21 honors credits must be outside the academic major. A total of 21 hours of upper-division honors course work are required for these transfers because transfers do not have time to complete all 36 honors hours.
5. Students are required to complete an honors thesis/creative project for at least three credit hours though students are encouraged to complete six thesis credit hours. The thesis credit hours may be included in the 18 required hours of upper-division honors course work. The honors thesis is launched with a prospectus form due one academic year before the defense. The final honors thesis copy must be filed by the posted deadline during the student's graduation semester.
6. ASU graduation requirements in an academic major must be met.
7. The student must maintain a cumulative ASU GPA of 3.25 or higher.

Barrett course requirements may be met in a variety of ways. There are two specific required courses for first-year students. Only courses in which a student receives a grade of "C" (2.00) or higher may be used to meet Barrett requirements.

Those entering the college as lower-division students must take 18 lower-division honors credits, which include HON 171 and 272/273/274 The Human Event. This cross-disciplinary seminar acquaints them with ideas that form the foundation of a university education and emphasizes critical thinking, discussion and writing.

Those who enter as upper-division students must take 21 upper-division honors credits, including a required 300-level honors course. Junior-level seminar courses introduce them to critical thinking, discussion and writing in a

topical area chosen by the instructor. It is expected that all students complete this course no later than the first or second semester after transferring.

Departmental honors-only courses are limited to honors students and others who receive special permission from the instructor to enroll. Enrollment in these courses is limited. Compared to their non-honors equivalents, these courses are designed to offer a richer, more complex intellectual experience appropriate to the discipline and the level of the course for all students enrolled. Other disciplinary honors courses group honors students in small cohorts to work on research projects of common interest.

Honors contracts are available in many departmental courses allowing honors students to contract with the instructor of designated non-honors courses to earn honors credit by pursuing enrichment activities, which may include supplemental sessions with the instructor. Honors contracts must be filed during the first four weeks of class and completed during the semester in which the course is offered. Each contract form offers guidelines to aid students and faculty in developing appropriate contracts.

Course numbers listed in the online ASU schedule of classes as 298/492 Honors Directed Study, 493 Honors Thesis, 497 Honors Colloquium and all classes with the HON prefix are reserved for students in Barrett and always count for honors credit. Students may receive credit for more than one of each of these courses in a given department.

Departmental courses with the number 493 are reserved for honors students completing their honors theses and creative projects. A student may enroll for these courses only with the approval of the sponsoring academic department and of the faculty member who serves as the student's thesis director. Course numbers listed in the online ASU schedule of classes as 493 fulfill the student's upper-division literacy and critical inquiry (L) General Studies requirement.

There are certain courses that carry automatic honors credit. These include ENG 105 (any in-person section), CHM 117, CHM 118, and PHY 333. Graduate level courses automatically earn honors credit.

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs	Upper Division	Completed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGECE <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Tracking Notes	
TERM ONE: 0-15 CREDIT HOURS						
ASU 101: The ASU Experience	1	<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 Minimum 2.50 ASU cumulative GPA 	
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"/>				
Second language	4	<input type="checkbox"/>		Grade of C		
JMC 101: Grammar for Journalists	1	<input type="checkbox"/>		Grade of Y		
JMC 110: Principles and History of Journalism (SB) (includes English grammar exam)	3	<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 C	<ul style="list-style-type: none"> Minimum 2.50 ASU cumulative GPA 	
Statistics (CS)	3	<input type="checkbox"/>				
Second language	4	<input type="checkbox"/>		Grade of C		
JMC 201: News Reporting and Writing (L)	3	<input type="checkbox"/>		Grade of C		
HST 109: United States to 1865 [(HU or SB) & H] OR HST 110: United States Since 1865 (SB & H)	3	<input type="checkbox"/>				
TERM THREE: 31-45 CREDIT HOURS						
Complete at least one of the following: JMC 366: Journalism Ethics and Diversity OR JMC 301: Intermediate Reporting and Writing (L) OR JMS 315: Intermediate Reporting and Writing (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.50 ASU cumulative GPA 	
JMC 305: Online Media	3	<input checked="" type="checkbox"/>		Grade of C		
Natural Sciences—Quantitative (SQ)	4	<input type="checkbox"/>				
Second language	3	<input type="checkbox"/>		Grade of C		
SOC 101: Introductory Sociology (SB)	3	<input type="checkbox"/>				
TERM FOUR: 46-60 CREDIT HOURS						
Complete at least one of the following: JMC 366: Journalism Ethics and Diversity OR JMC 301: Intermediate Reporting and Writing (L) OR JMS 315: Intermediate Reporting and Writing (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.50 ASU cumulative GPA Must complete JMC 366 and 301 or JMC 315 (depending on track) by end of term 4 with grade of "C" or better 	
POS 110: Government and Politics (SB) OR POS 310: American National Government (SB)	3	<input type="checkbox"/>				
Second language (G)	4	<input type="checkbox"/>		Grade of C		
English literature (HU)	3	<input type="checkbox"/>				
HST elective:	3	<input type="checkbox"/>				
TERM FIVE: 61-75 CREDIT HOURS						
JMC 313: Introduction to Editing OR JMC 345: Videography	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.50 ASU cumulative GPA Advanced Skills Course should be selected in consultation with academic advisor. 	
Advanced Skills Course	3	<input checked="" type="checkbox"/>		Grade of C		
JMC 484: Internship	3	<input checked="" type="checkbox"/>		Grade of C		
PHI 101: Introduction to Philosophy (HU) OR PHI 103: Principles of Sound Reasoning (L or HU) OR PHI 105: Introduction to Ethics (HU) OR PHI 305: Ethical Theory (HU) OR PHI 306: Applied Ethics (HU) OR PHI 309: Social and Political Philosophy (HU)	3	<input type="checkbox"/>				
Natural Sciences-Quantitative (SQ) or Natural Sciences-General (SG)	4	<input type="checkbox"/>				
TERM SIX: 76-90 CREDIT HOURS						
JMC 402: Mass Communication Law	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.50 ASU cumulative GPA Advanced Skills Course should be selected in consultation with academic advisor. 	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	<input type="checkbox"/>				
Advanced Skills Course	3	<input checked="" type="checkbox"/>		Grade of C		
Related area	3	<input type="checkbox"/>		Grade of C		
Elective	2	<input type="checkbox"/>				
TERM SEVEN: 91-105 CREDIT HOURS						
Advanced Skills Course	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.50 ASU cumulative GPA Advanced Skills Course should be selected in consultation with academic advisor. 	
PGS 101: Introduction to Psychology (SB)	3	<input type="checkbox"/>				
Upper-division related area	3	<input checked="" type="checkbox"/>		Grade of C		
Upper-division related area	3	<input checked="" type="checkbox"/>		Grade of C		
Awareness area—Cultural Diversity (C) or elective if completed	3	<input type="checkbox"/>				
TERM EIGHT: 106-120 CREDIT HOURS						
JMC 473: The Business and Future of Journalism	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Minimum 2.50 ASU cumulative GPA 	
JMC/MCO upper-division elective	3	<input checked="" type="checkbox"/>		Grade of C		
Upper-division related area	3	<input checked="" type="checkbox"/>		Grade of C		
Upper-division elective	3	<input checked="" type="checkbox"/>				

Graduation Requirements Summary:

Total Hours (120 minimum)	Total UD Hours (minimum 45)	Cumulative GPA (2.50 minimum required for major)	Total Hrs at ASU (minimum 30)	Resident Credit for Academic Recognition (minimum 56)	Total Community 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 Sciences-Quantitative (SQ)
 - Natural Sciences-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the U.S. (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

Students other than first-time freshmen may take the English Grammar Exam one time to attempt to test out of JMC 101 Grammar for Journalists. Majors must maintain at least a 2.50 ASU cumulative GPA and a 2.50 JMC cumulative GPA to take JMC courses beyond JMC 201. Students must complete at least 12 hours of upper-division coursework outside the major. Students must complete a minimum of 56 hours of ASU coursework to qualify for ASU honors at graduation.



Bachelor of Applied Science Degree

2010-2011 Curriculum Check Sheet

School of Letters and Sciences

Student Name _____	ID. Number _____
A.A.S. Degree _____	Date A.A.S. Degree Granted _____
A.A.S. Degree Granting Institution _____	ASU Catalog Year _____ 2010-2011
B.A.S. Academic Department Technical Communication	Advisor _____
Number of Upper Division Transfer Credits _____	Expected Graduation Date _____
Institution of Transfer Course Work (Upper Division Only) _____	

General Studies Sequence (19 Hours)

	ASU	Transfer	Transfer From	Grade
Numeracy - ASC 315	3			
Science - ASC 325	4			
Literacy [L]	3			
Humanities [HU] and [H] [C]	3			
Social Science [SB]	3			
General Studies [HU or SB] and [G]	3			
Sub Total	19			Hrs.

BAS Degree Summary

Credit Hours

Degree Block Transfer	60
General Studies	
B.A.S. Area Core	
Technical Writing	
Assignable Credits	

Total (120 Hours Minimum) _____

B.A.S. Area Core (15 Hours)

	ASU	Transfer	Transfer From	Grade
TWC 301 General Principles of Multimedia Writing	3			
TWC 401 Principles of Technical Communication	3			
TWC 347 Written Communication for Managers	3			
STP 420 Introductory Applied Statistics	3			
TWC 421 Principles of Writing with Technology	3			
Sub Total	15			Hrs.

Advisor Comments

Technical Writing and Communication (20 Hours)

	ASU	Transfer	Transfer From	Grade
TWC 411 Principles of Visual Communication	3			
TWC 431 Principles of Technical Editing	3			
TWC 44X Genre Course	3			
TWC 45X Information Series Course	3			
TWC 499 Individual Instruction	2			
TWC 3/4XX Elective	3			
TWC 3/4XX Elective	3			
Sub Total	20			Hrs.

Assignable Credits (6 Hours)

	ASU	Transfer	Transfer From	Grade
	3			
	3			
Sub Total	6			Hrs.

Total Upper Division Hours _____

Total ASU Resident Hours _____

_____ Student Signature	_____ Date	_____ Dean Signature	_____ Date
_____ Advisor/Chair Signature	_____ Date	_____ University Signature	_____ Date

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Competed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGECE <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-16 CREDIT HOURS						
ASU 101: The ASU Experience	1	<input type="checkbox"/>				<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
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"/>				
MA (MAT 142 or higher)	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM TWO: 17-32 CREDIT HOURS						
ENG 101 or 102: First-Year Composition ENG 105: Advanced First-Year Composition ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> Minimum C grade in first-year composition courses Math (MA) requirement must be completed by the end of the second semester
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>				
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>				
Natural Science – Quantitative (SQ)	4	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM THREE: 33-47 CREDIT HOURS						
Track specific focus area course (see list below)	3	<input type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> First-year composition requirement completed with a minimum "C" grade. Academic Review: Students should choose a track within the degree
Track specific focus area course (see list below)	3	<input type="checkbox"/>		Grade of C		
Literacy & Critical Inquiry (L)	3	<input type="checkbox"/>				
Natural Science – Quantitative (SQ) or General (G)	4	<input type="checkbox"/>				
Elective	2	<input type="checkbox"/>				
TERM FOUR: 48-62 CREDIT HOURS						
Track specific focus area course (see list below)	3	<input type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> A minimum of 6 hours of Upper Division Coursework must be completed in this semester
Track specific elective area course (see list below)	3	<input type="checkbox"/>		Grade of C		
HTY 300: Historical Inquiry (SB, H)	3	<input checked="" type="checkbox"/>		Grade of C		
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM FIVE: 63-76 CREDIT HOURS						
HST 343: American Southwest (SB, H)	3	<input checked="" type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> A minimum of 9 hours of Upper Division coursework must be completed in this semester.
HST 344: Arizona (SB, H)	3	<input checked="" type="checkbox"/>		Grade of C		
Elective	3	<input type="checkbox"/>				
Elective	2	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM SIX: 77-91 CREDIT HOURS						
Track specific focus area course (see list below)	3	<input type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> A minimum of 9 hours of Upper Division coursework must be completed in this semester
Track specific elective area course (see list below)	3	<input type="checkbox"/>		Grade of C		
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM SEVEN: 92-106 CREDIT HOURS						
Track specific elective area course (see list below)	3	<input type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> A minimum of 9 hours of Upper Division coursework must be completed in this semester C (cultural awareness) requirement may be satisfied by track-specific course or other elective
Cultural Diversity in the US (C), or if completed, 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 EIGHT: 107-120 CREDIT HOURS						
HTY498: Pro-Seminar	3	<input checked="" type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> A minimum of 9 hours of Upper Division coursework must be completed in this semester G (global awareness) requirement may be satisfied by track-specific course or other elective
Global Awareness (G) or if completed, Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	2	<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:

The B.A. in History and Culture has three tracks: The following are the focus area & specific elective courses for each track:

<p><u>Track 1: Environmental History and Culture</u> <u>Focus Area Courses</u> HST 319 U.S. Urban History HTY 320History of American Agriculture HTY 326 History of Landscaping HTY 350/394 Environmental History HTY 374Western Rivers HTY 440The Pre-Modern City HTY 450History of Ecology and Conservation PHI 327 Environmental Philosophy</p>	<p><u>Track 1: Environmental History and Culture</u> <u>Track Specific Elective Courses</u> Any courses with an ABS, AGB, BIO, HST, or HTY prefix</p>
<p><u>Track 2: History and Culture of The American Southwest</u> <u>Focus Area Courses</u> 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 U.S. Conquests and Migration 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</p>	<p><u>Track 2: History and Culture of the American Southwest</u> <u>Track Specific Elective Courses</u> Any courses with an AIS, CCS, HST, or HTY prefix. Students may also take courses with an SPA or SPN prefix. Students are strongly encouraged to complete SPA 101 and SPA 102.</p>
<p><u>Track 3: History for Secondary Teachers</u> <u>Focus Area Courses</u> 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</p>	<p><u>Track 36: History for Secondary Teachers</u> <u>Track Specific Elective Courses</u> In consultation with an advisor, students may use courses with the following prefixes: ASB, ECN, GCU, GPH, HST, HTY, PGV, POL, REL, SOC, WSH, or WST.</p>

Upper division courses with the following prefixes will satisfy the Liberal Studies Humanities and Liberal Studies Social Sciences requirements, but this is not an exhaustive list. It represents qualifying prefixes for which ASU frequently offers online classes. Please consult with your Academic Success Specialist to determine whether other humanities and social science courses may also satisfy these major requirements.

Liberal Studies Humanities

- Art History/Auxiliary (ARS, ARA)
- Asian Pacific American Studies (APA)
- English (ENG, ENH)
- Film and Media Studies (FMS)
- History (HST, HTY, HIS)
- Mass Communication (MCO, MCN)
- Philosophy (PHI, PHL)
- Religious Studies (REL)
- Theatre (THE, THR)
- Women's Studies (WSH)

Liberal Studies Social Sciences

- Aging and Lifespan Development (ALD)
- Anthropology (ASB, ANT, ASM)
- Communication (COM, CMA, CMN)
- Criminal Justice (CRJ)
- Cultural Geography (GCU)
- Educational Psychology (EDP)
- Family Studies (FAS/CDE)
- Justice Studies (JUS)
- Parks and Recreation Management (PRM)
- Political Science (POL, POS, PLS)
- Psychology (PGS)
- Public Affairs (PAF)
- Public Policy and Government (PGV)
- Science, Technology, and Society (STS)
- Social and Behavioral Sciences (SBS)
- Social Justice and Human Rights (JHR)
- Social Work (SWU)
- Sociology (SOC, SCL)
- Transborder Chicana/o Latina/o Studies (TCL)
- Women's Studies (WST, WNS)

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-16 CREDIT HOURS						
ASU 101: The ASU Experience	1	<input type="checkbox"/>				<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
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"/>				
Social & Behavioral Sciences (SB)	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM TWO: 17-32 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 Mathematical Studies (MA)
Computer Science course (CS)	3	<input type="checkbox"/>				
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM THREE: 33-47 CREDIT HOURS						
<i>Complete 2 courses from:</i> ENG 200: Critical Reading and Writing About Literature (HU) ENG 217: Writing Reflective Essays (L) ENG 230: Introduction to Film Studies (L or HU)	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 MILESTONE: Students must select a track
Natural Science- Quantitative (SQ) or General (SG)	4	<input type="checkbox"/>		Grade of C		
Elective	3	<input type="checkbox"/>				
Elective	2	<input type="checkbox"/>				
Elective	2	<input type="checkbox"/>				
TERM FOUR: 48-62 CREDIT HOURS						
<i>Complete remaining course from:</i> ENG 200: Critical Reading and Writing About Literature (HU) ENG 217: Writing Reflective Essays (L) ENG 230: Introduction to Film Studies (L or HU)	3	<input type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> HU or SB requirement may be satisfied by track-specific course or other elective
Track specific focus area course (see list on page 2)	3	<input type="checkbox"/>		Grade of C		
Track specific focus area course (see list on page 2)	3	<input type="checkbox"/>		Grade of C		
Social & Behavioral Sciences (SB)	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM FIVE: 63-76 CREDIT HOURS						
Track specific focus area course (see list on page 2)	3	<input type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> A minimum of 9 hours of Upper Division coursework must be completed in this semester. HU or SB requirement may be satisfied by track-specific course or other elective
Track specific focus area course (see list on page 2)	3	<input type="checkbox"/>		Grade of C		
Upper Division Literacy & Critical Inquiry (L)	3	<input checked="" type="checkbox"/>				
Elective	2	<input type="checkbox"/>				
Upper Division Elective	3	<input checked="" type="checkbox"/>				
TERM SIX: 77-91 CREDIT HOURS						
Track specific elective course (see list below)	3	<input type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> A minimum of 12 hours of Upper Division coursework must be completed in this semester H (historical awareness) requirement may be satisfied by track-specific course or other elective Upper Division HU or SB requirement may be satisfied by track-specific course or other elective
Track specific elective course (see list below)	3	<input type="checkbox"/>		Grade of C		
H, if completed take elective	3	<input type="checkbox"/>				
Upper Division HU or SB, if completed take elective	3	<input checked="" type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM SEVEN: 92-106 CREDIT HOURS						
Track specific elective course (see list below)	3	<input type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> A minimum of 12 hours of Upper Division coursework must be completed in this semester C (cultural awareness) requirement may be satisfied by track-specific course or other elective
Cultural diversity in the U.S. (C) (if completed, take 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 EIGHT: 107-120 CREDIT HOURS						
ENH498: Literature, Writing, and Film Capstone Project	3	<input checked="" type="checkbox"/>		Grade of C		<ul style="list-style-type: none"> A minimum of 12 hours of Upper Division coursework must be completed in this semester G (global awareness) requirement may be satisfied by track-specific course or other elective
G (global awareness) if completed, take elective	3	<input type="checkbox"/>				
Upper division Elective	3	<input checked="" type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
Elective	2	<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:

The B.A. in Literature, Writing, and Film has six tracks. The following are the focus area & specific elective courses for each track:

Tracks	Track Specific Focus Area Courses	Track Specific Elective Courses
Literature and Film	Students choose from among the following: ENG 230: Introduction to Film Studies (L or HU) ENG 366: Literature on Film ENG 378: Environmental Creative Nonfiction (L & HU) ENG 367: Environmental Issues in Literature (L & HU) ENG 334: The American Southwest in Literature and Film (L & HU) ENG 320: Medievalism in Modern Culture ENG 466: Studies in International Film (L or HU, G) ENG 467: American Film Musicals (L or HU) ENG 464: Great Directors (L or HU) ENG 468: Environmental Literary Criticism ENG 221: Survey of English Literature (HU) ENG 222: Survey of English Literature (HU, H) ENG 241: Literatures of the United States to 1860 (HU) ENG 242: Literatures of the United States, 1860-Present (HU) ENG 321: Introduction to Shakespeare (L or HU) ENG 365: History of Film (HU) ENG 385: Career Development for English Majors (L)	Any ENG or FMS prefix courses
Writing	Students choose from among the following: ENG 243: Introduction to Writing Family History (L) ENG 244: Introduction to Researching Family History ENG 373: Publishing in Literary Magazines ENG 376: Writing a Personal History (L) ENG 377: Editing Family History for Public Audiences (L) ENG 389: Writing Creative Nonfiction for Publication ENG 344: Intermediate Family History Research ENG 379: Travel Writing ENG 382: Digital Project Management for Humanities and Arts ENG 383: Digital Media in the Humanities and Arts ENG 368: Travel Writing (L) ENG 204: Introduction to Contemporary Literature (HU) ENG 210: Introduction to Creative Writing ENG 310: Intermediate Creative Writing ENG 411: Advanced Creative Writing ENG 412: Creative Nonfiction ENG 212 English Prose Style ENG 215 Strategies for Academic Writing ENG 216 Persuasive Writing on Public Issues ENG 385 Career Development for English Majors ENG 472 Rhetorical Studies TWC 301 General Principles of Multimedia Writing	Any ENG Writing courses Any Upper Division ENG literature courses. Any of the following GIT courses: GIT 194: Introduction to Computer 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 GIT 414 Web Site Design and Internet/Web Technologies Any of the following TWC courses: 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
English for Secondary Teachers	Students choose from among the following: ENG 366: Literature on Film ENG 334: The American Southwest in Literature (L & HU) ENG 320: Medievalism in Modern Culture (L & HU) ENG 481: Methods of Teaching Secondary Writing ENG 483: Methods of Teaching Secondary Literature and Language ENG 221: Survey of English Literature (HU) ENG 222: Survey of English Literature (HU, H) ENG 241: Literatures of the United States to 1860 (HU) ENG 242: Literatures of the United States, 1860-Present (HU) ENG 314 Modern Grammar ENG 321: Introduction to Shakespeare (L or HU) ENG 333 American Ethnic Literature	Any courses with an ENG prefix

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Div.	Competed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 0-15 CREDIT HOURS						
STS 101: Introduction to Science, Technology and Society (SB)	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 Transfer students with 64 credit hours or more transferred must take STS 304 instead of STS 101. An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Math Placement Exam score determines placement in Mathematics course 	
ASU 101: The ASU Experience	1	<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 & Design (HU)	3	<input type="checkbox"/>				
Mathematics (MA)	3	<input type="checkbox"/>				
TERM TWO: 16-30 CREDIT HOURS						
STS 110: Global Technology and Development (SB, G)	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> * It is highly recommended that STS students take a statistics course for their (CS) general studies requirement. Transfer students with 64 credit hours or more transferred must take STS 317 instead of STS 110. 	
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 & Behavioral Sciences (SB)	3	<input type="checkbox"/>				
Global Awareness (G)	3	<input type="checkbox"/>				
TERM THREE: 31-45 CREDIT HOURS						
Historical Awareness (H)	3	<input type="checkbox"/>			<ul style="list-style-type: none"> First-year composition requirement completed 	
Literacy & Critical Inquiry (L)	3	<input type="checkbox"/>				
Natural Science-General (SG) OR Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>				
Cultural Diversity in the US (C)	3	<input type="checkbox"/>				
Elective	3	<input type="checkbox"/>				
TERM FOUR: 46-60 CREDIT HOURS						
Elective	3	<input type="checkbox"/>			<ul style="list-style-type: none"> See your advisor for a list of courses that fulfill your chosen STS Track and to discuss the required Minor for the degree. 	
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>				
Natural Science-Quantitative (SQ)	4	<input type="checkbox"/>				
Approved upper division STS Track course	3	<input checked="" type="checkbox"/>		Grade of C		
Approved Minor course	3	<input type="checkbox"/>				
TERM FIVE: 61-75 CREDIT HOURS						
STS 301: Research in Science and Technology Studies (SB)	3	<input checked="" type="checkbox"/>		Grade of C		
STS 302: Philosophy of Science and Technology	3	<input checked="" type="checkbox"/>		Grade of C		
Approved upper division STS Track course	3	<input checked="" type="checkbox"/>		Grade of C		
Approved upper division STS Track course	3	<input checked="" type="checkbox"/>		Grade of C		
Approved Minor course	3	<input type="checkbox"/>				
TERM SIX: 76-90 CREDIT HOURS						
STS 303: History of Science and Technology (H)	3	<input checked="" type="checkbox"/>		Grade of C		
STS 305: Science and Social Theory (SB)	3	<input checked="" type="checkbox"/>		Grade of C		
Approved upper division STS Track course	3	<input checked="" type="checkbox"/>		Grade of C		
Approved Minor course	3	<input type="checkbox"/>				
Historical Awareness (H)	3	<input type="checkbox"/>				
TERM SEVEN: 91-105 CREDIT HOURS						
STS 306: Social Effects of Science and Technology (SB)	3	<input checked="" type="checkbox"/>		Grade of C		
Approved upper division STS Track course	3	<input checked="" type="checkbox"/>		Grade of C		
Approved Minor course	3	<input type="checkbox"/>				
Social & Behavioral Sciences (SB)	3	<input type="checkbox"/>				
Upper Division Literacy & Critical Inquiry (L)	3	<input checked="" type="checkbox"/>				
TERM EIGHT: 106-120 CREDIT HOURS						
STS 484: Internship	3	<input checked="" type="checkbox"/>		Grade of C		
Approved STS Track course	3	<input checked="" type="checkbox"/>		Grade of C		
Approved Minor course	3	<input type="checkbox"/>				
Approved Minor course	3	<input type="checkbox"/>				
Upper division Humanities, Fine Arts & Design (HU) OR Upper division Social & Behavioral Sciences (SB)	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:

Students who begin the STS program at ASUPOLY as freshmen will take STS 101 and 110. STS 304 and 317 are for transfer students with 64 units who need upper division credit.

It is highly recommended that STS students take a statistics course for their (CS) general studies requirement.

Students in the Science, Technology, and Governance Track will complete the following coursework or their equivalents:

- POS 310 American National Government
- STS 318 Science, Technology and Government
- STS 325 Science, Technology and Public Policy
- STS 331 Ethical Issues in Science and Technology
- STS 364 Science, Technology and National Security
- STS 425 Law, Values, and Science and Technology

Students in the Global Technology and Development Track will complete the following coursework or their equivalents:

- STS 328 Science, Technology and Culture
- STS 329 Cultivating Technology in Newly Industrializing Countries
- STS 330 Information Technology and Globalization
- STS 331 Ethical Issues in Science and Technology
- STS 332 Seminar: Global Issues in Science and Technology
- STS 364 Science, Technology and National Security

Students in the General STS Track must meet with an advisor to determine the coursework needed to fulfill this area of the degree.

- The General STS Track has been designed as the integrative component of the STS degree program. It can be used to design dual degrees and double majors with other programs. Students can utilize it in integrating other degree programs and courses available at ASU.
 - For instance, the Track can be employed in establishing a pre-law degree program with more emphasis on a science and technology curriculum.
 - Students seeking secondary teaching certification can incorporate social science pedagogy courses.
 - In each instance when this Track is chosen by a student, the student will work in conjunction with faculty advisors within Social and Behavioral Sciences and other units to work out an appropriate program of study.
 - Students can utilize courses available at any unit within ASU for this purpose.

All STS students must take an approved Minor for STS Majors (18 Semester Hours)

- Each approved program of study in the STS program must include at least one minor in a substantive field.
- STS students are encouraged to take minors in career fields, e.g., business, technology, technical communication, education, etc.
- The minor is to help prepare the student for a career upon graduation.
- Before taking minor courses, students must meet with their advisor to determine which minor is best suited for their chosen career field.

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs	Upper Division	Competed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGEC <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes
TERM ONE: 0-15 CREDIT HOURS					
ASU 101: The ASU Experience	1	<input type="checkbox"/>			<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
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	
MA (MAT 142 College Mathematics or any MA equivalent)	3	<input type="checkbox"/>		Grade of C	
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			
Natural Science–Quantitative (SQ)	4	<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	
Computer/Statistics/Quantitative applications (CS)	3	<input type="checkbox"/>		Grade of C	
Natural Science–General (SG) or Quantitative (SQ)	4	<input type="checkbox"/>			
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
TERM THREE: 31-45 CREDIT HOURS					
Humanities, Fine Arts, and Design (HU)	3	<input type="checkbox"/>			<ul style="list-style-type: none"> First-year composition requirement completed Related area: In consultation with an advisor; suggested courses use the following prefixes: GIT, ENG, COM, or any other course related to the student's career path.
Cultural Diversity in the U.S. (C), if completed take elective	3	<input type="checkbox"/>			
Social and Behavioral Sciences (SB)	3	<input type="checkbox"/>			
Related Area Course	3	<input type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
TERM FOUR: 46-60 CREDIT HOURS					
TWC 301 General Principles of Multimedia Writing (L)	3	<input checked="" type="checkbox"/>		Grade of C	
Upper-division Humanities, Fine Arts, and Design (HU) or Social and Behavioral Sciences (SB)	3	<input checked="" type="checkbox"/>			
Global Awareness (G), if completed take elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Historical Awareness (H), if completed take elective	3	<input type="checkbox"/>			
TERM FIVE: 61-75 CREDIT HOURS					
TWC 401 Principles of Technical Communication (L)	3	<input checked="" type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
Upper-division elective	3	<input checked="" type="checkbox"/>			
TERM SIX: 76-90 CREDIT HOURS					
TWC 411 Principles of Visual Communication (L), 421 Principles of Writing with Technology (L), or 431 Principles of Technical Editing (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Related area: In consultation with an advisor; suggested courses use the following prefixes: GIT, ENG, COM, or any other course related to the student's career path. TWC elective: Any TWC 300/400 course will fulfill this area, however an internship (TWC 484) or supervised work experience is strongly recommended.
TWC 44X 45X Genre or Information course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper-division related area course	3	<input checked="" type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
Upper-division TWC elective	3	<input checked="" type="checkbox"/>		Grade of C	
TERM SEVEN: 91-105 CREDIT HOURS					
TWC 411 Principles of Visual Communication (L), 421 Principles of Writing with Technology (L), or 431 Principles of Technical Editing (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Related area: In consultation with an advisor; suggested courses use the following prefixes: GIT, ENG, COM, or any other course related to the student's career path. TWC elective: Any TWC 300/400 course will fulfill this area, however an internship (TWC 484) or supervised work experience is strongly recommended.
TWC 44X 45X Genre or Information course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper-division related area course	3	<input checked="" type="checkbox"/>		Grade of C	
Upper-division TWC elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper-division elective	3	<input checked="" type="checkbox"/>			
TERM EIGHT: 106-120 CREDIT HOURS					
TWC 411 Principles of Visual Communication (L), 421 Principles of Writing with Technology (L), or 431 Principles of Technical Editing (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> Related area: In consultation with an advisor; suggested courses use the following prefixes: GIT, ENG, COM, or any other course related to the student's career path. TWC elective: Any TWC 300/400 course will fulfill this area, however an internship (TWC 484) or supervised work experience is strongly recommended.
TWC 490 Capstone	3	<input checked="" type="checkbox"/>		Grade of C	
Upper-division related area course	3	<input checked="" type="checkbox"/>		Grade of C	
Elective	3	<input type="checkbox"/>			
Upper-division TWC elective	3	<input checked="" type="checkbox"/>		Grade of C	

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 Community 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 U.S. (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes: