## 2011-2012 Major Map

## African \& African American Studies, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAAFRBA

| Term 1 0-14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| AFS 200: Introduction to African and African Diaspora Studies (SB \& G \& H) | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Consult academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| LIA 194: Academic Success Seminar, Intro to Liberal Arts and Sciences | 1 |  |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Term hours subtotal: | 14 |  |  |


| Term 2 15-30 Credit Hours | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| :---: | :---: | :---: | :---: |
| AFR OR AFS OR AFH Elective | 3 | C | - Selection of general studies courses will be determined by elective courses taken to fulfill the major. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Cultural Diversity in the U.S. (C) | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 3 31-47 Credit Hours Critical course signified by | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| Concentration Course | 3 | C | - Selection of general studies courses will be determined by elective courses taken to fulfill the major. |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Natural Science - General (SG) OR <br> Natural Science - Quantitative (SQ) | 4 |  |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 4 48-61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| 4 AFH 305: The Global History of the Trans-Atlantic Slave Trade (SB \& H) | 3 | C | - Selection of general studies courses will be determined by elective courses taken to fulfill the major. |
| AFH 300: Precolonial Africa (SB \& G \& H) OR <br> AFS 301: Race and Racism in Africa/African Diaspora (SB \& G) OR <br> AFS 302: History of Black Women in America | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |


| Term 5 62-76 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| AFH 300: Precolonial Africa (SB \& G \& H) OR <br> AFS 301: Race and Racism in Africa/African Diaspora (SB \& G) OR <br> AFS 302: History of Black Women in America |  | 3 | C | - Selection of general studies courses will be determined by elective courses taken to fulfill the major. |
| AFR OR AFS OR AFH Upper Division Elective |  | 3 | C |  |
| Upper Division Concentration Course |  | 3 | C |  |
| Upper Division Literacy and Critical Inquiry (L) |  | 3 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 77-91 Credit Hours |  | Hours | Minimum Grade | Notes |
| AFR OR AFS OR AFH Upper Division Elective |  | 3 | C |  |
| Upper Division Concentration Course |  | 3 | C |  |
| Upper Division Elective |  | 3 |  |  |
| Complete 2 courses: Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 92-106 Credit Hours |  | Hours | Minimum Grade | Notes |
| AFR OR AFS OR AFH Upper Division Elective |  | 3 | C |  |
| Concentration Course |  | 3 | C |  |
| Complete 2 courses: <br> Upper Division Elective |  | 6 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 107-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| AFR 498: Pro-Seminar |  | 3 | C |  |
| AFR OR AFS OR AFH Upper Division Elective |  | 3 | C |  |
| Humanities, Fine Arts and Design (HU) |  | 3 |  |  |
| Upper Division Concentration Course |  | 3 | C |  |
| Elective |  | 2 |  |  |
| 20, | Term hours subtotal: | 14 |  |  |


| Gender and Family Studies |  | The Americas |  |
| :--- | :--- | :--- | :--- |
|  | Politics and Society |  |  |


|  | AFH 394: Unruly Voices, Unruly Voices: Afr/Am Women | AFS 320: Africa: Politics, Environment, and Development |
| :---: | :---: | :---: |
|  | AFH 459: Studies in African American/Caribbean Literatures | AFS 327: Human Rights in Africa |
|  |  | AFS 340: The Making of Modern Africa (SB \& G \& H) |
|  | FH 465: Harlem Renaissance: a Cultural |  |
|  | History: | AFS 345: Peoples and Cultures of the Caribbean (SB \& G \& H) |
|  | 210. Introduction to African American |  |
|  | Studies (C) | AFS 355: Democracy and Civil Society in Africa |
|  | AFR 294: Zoot Suit-Hip Hop: African |  |
|  | American Po | AFS 394: Islam and Islamic Societies in Africa |
|  | s, Race and Society (SB \& H |  |
|  | \& C) | AFS 415: Black Political Thought and the Limits of Liberal Democracy (SB \& G \& H) |
|  | FR 335: Historical Studies in Race, Crime, |  |
|  | and the Law | AFS 325: Music as Political Discourse: Reggae, Calypso, and Hip Hop |
|  | AFR 375: Race, Gender and Sport (SB \& C) |  |
|  | AFR 394: Black Radicals: MLK, Mandela, | AFS 373: Islam and World Affairs |
|  | Malcolm X | AFR 394: Race, Ethnicity/Politics <br> AFR 394: Black Radicals: MLK, Mandela, Malcolm X |
|  | AFR 428: Critical Race Theory |  |
|  | AFR 429: African American Studies Theory and Methods |  |
|  | AFR 460: Race, Gender and Media (C) |  |
|  | AFS 202: Immigration and Ethnic Relations in the U.S. (SB \& H \& C) |  |
|  | AFS 210: Introduction to Ethnic Studies in the U.S. (C) |  |
|  | AFS 301: Race and Racism in Africa/African Diaspora (SB \& G) |  |
|  | AFS 302: History of Black Women in America |  |
|  | AFS 304: Islands of Globalization: Caribbean Politics and Political Economy (SB \& G \& H) |  |
|  | AFS 310: African/African American Psychology |  |
|  | AFS 312: Contemporary African and African Diaspora Women |  |
|  | AFS 345: Peoples and Cultures of the Caribbean (SB \& G \& H) |  |
|  | AFS 360: Black Families in the Diaspora: U.S. and Caribbean (SB \& C) |  |
|  | AFS 363: African American History to 1865 (SB \& H \& C) |  |
|  | AFS 364: African American History Since 1865 ((HU or SB) \& C \& H) |  |
|  | AFS 370: Family, Ethnic, and Cultural Diversity (SB \& C) |  |
|  | AFS 394: Blacks in Science, Medicine, and Public Health, Health Issues-African American Co, Popular Black Media/Adolescence, Race, Ethnicity, and Democracy, The Black Child in America, Women, Ethnicity/Equality Women Srch |  |
|  | AFS 415: Black Political Thought and the Limits of Liberal Democracy (SB \& G \& H) |  |
|  | AFS 494: Sports and Nationalism in the African Diaspora |  |
| Africa | Cultural Studies |  |
| AFH 202: Art of Africa, Oceania, and the Americas (HU \& H \& G) | AFH 202: Art of Africa, Oceania, and the Americas (HU \& H \& G) |  |
| AFH 300: Precolonial Africa (SB \& G \& H) | AFH 303: African and African American Art |  |
| AFH 303: African and African American Art | AFH 336: African Art (HU \& G) |  |


| AFH 318: African and African Diaspora <br> Women Writers (HU \& G) | AFH 465: Harlem Renaissance: a Cultural <br> History: 1877-1945 |
| :--- | :--- |
| AFH 335: Survey of African Literatures | AFR 294: Zoot Suit-Hip Hop: African <br> American Po |
| AFH 394: African Art | AFR 375: Race, Gender and Sport (SB \& C) |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. Â At least one of the two courses taken from the list must be upper division.A Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map American Indian Studies, BS

College of Liberal Arts and Sciences
Campus:Tempe
LAAISBS

| Term 1 0-14 Credit Hours Critical course signified by |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| 1 AIS 180: Introduction to American Indian Studies (C) |  | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| Natural Science - Quantitative (SQ) |  | 4 |  |  |
| Elective |  | 3 |  |  |
| LIA 194: Intro to Liberal Arts and Sciences |  | 1 |  |  |
|  | Term hours subtotal: | 14 |  |  |


| Term 2 15-29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1 AIS 280: American Indian Sovereignty and the Courts (H \& C) | 3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Global Awareness (G) | 3 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 3 30-45 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| AIS Emphasis Area Course | 3 | C |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Elective | 6 |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 4 46-60 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| 1 AIS 285: Federal Indian Policy (H \& C) | 3 | C | Complete all critical courses b |
| AIS Emphasis Area Course | 3 | C | end of semester 4 |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Elective | 3 |  |  |
| Lower Division CLAS Science and Society Elective | 3 | C |  |
| Term hours subtotal: | 15 |  |  |
| Term 5 61-75 Credit Hours Critical course signified by ${ }^{\text {\% }}$ | Hours | Minimum Grade | Notes |
| 4 AIS 370: American Indian Languages and Cultures (C) | 3 | C |  |
| JUS 302: Basic Statistical Analysis in Justice Studies (CS) | 3 | C |  |
| Upper Division AIS Emphasis Area Course | 3 | C |  |



## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. At At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend
General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map <br> Anthropology, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAASBBA




## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.A A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. Â At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement.A Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)


## 2011-2012 Major Map Anthropology, BS

College of Liberal Arts and Sciences
Campus:Tempe
LAASBBS

| Term 1 0-16 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ASB 102: Introduction to Cultural and Social Anthropology (SB \& G) OR <br> ASB 222: Buried Cities and Lost Tribes ((HU or SB) \& G \& H) OR <br> ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR <br> AML 100: Introduction to Applied Mathematics for the Life and Social Sciences (MA) | 3-4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Field School Opportunities: (Archaeological, Physical or Ethnographic) can be used in place of on-campus courses. <br> - 2.0 cumulative GPA in critical courses recommended |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 170: Precalculus (MA) | 3 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| LIA 194: Intro to Liberal Arts and Sciences | 1 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 16-17 |  |  |
| Term 2 17-33 Credit Hours | Hours | Minimum Grade | Notes |
| ASB 102: Introduction to Cultural and Social Anthropology (SB \& G) OR <br> ASB 222: Buried Cities and Lost Tribes ( $(\mathrm{HU}$ or SB) \& G \& H) OR <br> ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR <br> AML 100: Introduction to Applied Mathematics for the Life and Social Sciences (MA) | 4-3 | C | - 2.0 cumulative GPA in critical courses recommended |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 17-16 |  |  |
| Term 3 34-48 Credit Hours Critical course signified by ${ }^{\text {d }}$ | Hours | Minimum Grade | Notes |
| ASB 102: Introduction to Cultural and Social Anthropology (SB \& G) OR <br> ASB 222: Buried Cities and Lost Tribes ( $(\mathrm{HU}$ or SB) \& G \& H) OR <br> ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR <br> AML 100: Introduction to Applied Mathematics for the Life and Social Sciences (MA) | 3-4 | C | - 2.0 cumulative GPA in critical courses recommended |
| CLAS Science and Society Elective | 3 | C |  |
| Cultural Diversity in the U.S. (C) | 3 |  |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Elective | 3 |  |  |
| Complete First-Year Composition requirement. |  |  |  |
| Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 15-16 |  |  |
| Term 4 49-63 Credit Hours | Hours | Minimum Grade | Notes |
| ASB 102: Introduction to Cultural and Social Anthropology (SB \& G) OR <br> ASB 222: Buried Cities and Lost Tribes ((HU or SB) \& G \& H) OR <br> ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR <br> AML 100: Introduction to Applied Mathematics for the Life and Social Sciences (MA) | 3-4 | C | - 2.0 cumulative GPA in critical courses recommended |
| ASB OR ASM Elective | 3 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |


| Upper Division Elective | 3 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Elective | 3 |  |  |  |
|  | Term hours subtotal: | 15-16 |  |  |
| Term 5 64-78 Credit Hours |  | Hours | Minimum Grade | Notes |
| ASM 300: Anthropological Sciences Seminar |  | 3 | C |  |
| ASB OR ASM Upper Division Elective |  | 3 | C |  |
| Upper Division CLAS Science and Society Elective |  | 3 | C |  |
| Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 79-93 Credit Hours |  | Hours | Minimum Grade | Notes |
| ASM 465: Quantification and Analysis for Anthropologists (CS) OR BIO 415: Biometry (CS) OR <br> STP 4** Elective |  | 3-4 | C |  |
| ASM Upper Division Elective |  | 3 | C |  |
| ASB OR ASM Upper Division Elective |  | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) |  | 3 |  |  |
| Upper Division Literacy and Critical Inquiry (L) |  | 3 |  |  |
|  | Term hours subtotal: | 15-16 |  |  |
| Term 7 94-108 Credit Hours |  | Hours | Minimum Grade | Notes |
| ASM Upper Division Elective |  | 3 | C |  |
| ASB OR ASM Upper Division Elective |  | 3 | C |  |
| Upper Division Elective |  | 3 |  |  |
| Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 109-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| ASM Upper Division Elective |  | 6 | C |  |
| Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 12 |  |  |

## Notes:

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- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.A A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. $\hat{A}$ At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. A When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map

## Applied Mathematics for Life and Social Sciences, BS

College of Liberal Arts and Sciences
Campus:Tempe
LAAMLBS

| Term 1 0-15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4 AML 100: Introduction to Applied Mathematics for the Life and Social Sciences (MA) | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation <br> - Consult academic advisor for Academic Success Clusters, and First Year Seminar options |
| MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 170: Precalculus (MA) | 4-3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| BIO 181: General Biology I (SQ) | 4 |  |  |
| LIA 194: Intro to Liberal Arts and Sciences | 1 |  |  |
| Term hours subtotal: | 15-14 |  |  |


| Term 2 16-32 Credit Hours Critical course signified by ${ }^{\text {- }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming with Java (CS) | 3 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation <br> - Students should take SOC 101, ASB 102, PSY 101, POS 101 or any other intro Social Science course to be able to take upper-division electives in the Social Science track |
| MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| BIO 182: General Biology II (SG) | 4 |  |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 3 33-48 Credit Hours Critical course signified by ${ }^{\text {P }}$ | Hours | Minimum Grade | Notes |
| MAT 272: Calculus with Analytic Geometry III (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation |
| CLAS Science and Society Elective | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) AND Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Elective | 3 |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| 4. Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 4 49-63 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| 4 AML 253: Modeling in the Life and Social Science | 3 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation |
| MAT 272: Calculus with Analytic Geometry III (MA) OR MAT 274: Elementary Differential Equations (MA) OR MAT 275: Modern Differential Equations (MA) | 3-4 | C |  |


| Upper Division Life Sciences, Social Sciences and Applied Mathematics course | 3 | C | - Students MUST take at least 2 UD electives in each of the following tracks: Life Sciences, Social Sciences, and Applied Math (see advisor for course options) |
| :---: | :---: | :---: | :---: |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15-16 |  |  |
| Term 5 64-78 Credit Hours | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| MAT 274: Elementary Differential Equations (MA) OR <br> MAT 275: Modern Differential Equations (MA) OR <br> MAT 342: Linear Algebra OR <br> MAT 343: Applied Linear Algebra | 3 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation <br> - Students MUST take at least 2 UD electives in each of the following tracks: Life Sciences, Social Sciences, and Applied Math (see advisor for course options) |
| Complete 2 courses: <br> Upper Division Life Sciences, Social Sciences and Applied Mathematics course | 6 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 6 79-93 Credit Hours | Hours | Minimum Grade | Notes |
| MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra OR Upper Division Elective | 3 | C |  |
| Complete 2 courses: <br> Upper Division Life Sciences, Social Sciences and Applied Mathematics course | 6 | C |  |
| Cultural Diversity in the U.S. (C) OR Global Awareness (G) OR Historical Awareness (H) OR Elective | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 94-108 Credit Hours | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| Complete 2 courses: <br> Upper Division Life Sciences, Social Sciences and Applied Mathematics course | 6 | C |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) | 3 |  |  |
| Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 109-120 Credit Hours | Hours | Minimum Grade | Notes |
| AML 406: Directed Reading and Research in Applied Mathematics for the Life and Social Sciences | 3 | C |  |
| Complete 3 courses: <br> Upper Division Life Sciences, Social Sciences and Applied Mathematics course | 9 | C |  |
| Term hours subtotal: | 12 |  |  |


| Life Sciences | Applied Mathematics | Social Sciences |
| :---: | :---: | :---: |
| BCH 361: Principles of Biochemistry | MAT 300: Mathematical Structures (L) | ASM 345: Disease and Human Evolution |
| BIO 320: Fundamentals of Ecology | MAT 343: Applied Linear Algebra | ASM 465: Quantification and Analysis for Anthropologists (CS) |
| BIO 321: Introductory Ecology Laboratory (L) | MAT 351: Mathematical Methods for Genetic Analysis (CS) | ECN 384: Economics of Social Behavior (SB) |
| BIO 406: Computer Applications in Biology (CS) | MAT 355: Introduction to Computational Molecular Biology | GCU 495: Quantitative Methods in Geography (CS) |
| BIO 410: Techniques in Wildlife Conservation Biology (L) | MAT 362: Advanced Mathematics for Engineers and Scientists | GCU 496: Geographic Research Methods (L) |
| BIO 411: Quantitative Conservation Biology | MAT 371: Advanced Calculus I | GPH 370: Geographic Information Technologies (CS) |
| BIO 415: Biometry (CS) | MAT 451: Mathematical Modeling (CS) |  |

BIO 417: Experimental Design
BIO 423: Population and Community Ecology

BIO 424: Dynamic Modeling in Social and
Ecological Systems
BIO 455: Introduction to Comparative
Genomics
BIO 456: Bioinformatics and Molecular
Evolution
BIO 469: Computational Neuroscience: Case Studies in Neuroethology

| GPH 371: Introduction to Cartography and Georepresentation (CS) |
| :---: |
| GPH 483: Geographic Information Analysis |
| JUS 301: Research in Justice Studies (SB) |
| JUS 302: Basic Statistical Analysis in Justice Studies (CS) |
| POS 301: Empirical Political Inquiry (SB) |
| POS 401: Political Statistics (CS) |
| POS 485: Political Economy (SB) |
| SOC 331: Environmental Sociology (SB \& G) |
| SOC 390: Social Statistics I (CS) |
| SOC 391: Research Methods (L or SB) |
| SOC 433: Applied Demography (SB) |
| SOC 448: Epidemics and Society (SB \& G) |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.A A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)


## General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map

## Asia Studies (East Asia), BA

College of Liberal Arts and Sciences
Campus:Tempe
LAHSTEABA

| Term 1 0-15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| HST 106: Asian Civilizations ((HU or SB) \& G \& H) OR HST 107: Asian Civilizations (SB \& G \& H) OR Across Asian Course | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - The sequence of required and elective courses will vary with each student according to individual choices and the yearly schedule of classes. HST 496, the capstone course must be taken in the final year. <br> - Many general studies requirements can be met with courses taken to satisfy major requirements. Students should choose courses in consultation with the academic advisor in their major to ensure that all general studies requirements are met before graduation. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Chinese, Japanese or Korean language course at the intermediate level (202 or equivalent). | 5 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences | 1 |  |  |
| Term hours subtotal: | 15 |  |  |


| Term 2 16-30 Credit Hours Critical course signified by ! | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ARS 201: Art of Asia (HU \& H \& G) OR HST 201: Historical Themes in Asia OR Across Asia Course | 3 | C | - East Asia students must follow either a Chinese or Japanese track within the East Asia Major <br> - Many general studies requirements can be met with courses taken to satisfy major requirements. Students should choose courses in consultation with the academic advisor in their major to ensure that all general studies requirements are met before graduation. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Chinese, Japanese or Korean language course at the intermediate level (202 or equivalent). | 5 | C |  |
| Natural Science - Quantitative (SQ) OR Natural Science - General (SG) | 4 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 3 31 - 45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| HST 111: Introduction to Asia OR HST 194: Introduction to Asia | 3 | C | - East Asia students must follow either a Chinese or Japanese track within the East Asia Major |
| 1 East Asia Elective course | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Chinese, Japanese or Korean language course at the intermediate level (202 or equivalent). | 5 | C | - Many general studies requirements can be met with courses taken to satisfy major |
| Lower Division Literacy and Critical Inquiry (L) | 3 |  | requirements. Students should |
| Elective | 1 |  | choose courses in consultation with the academic advisor in |
| Complete First-Year Composition requirement. Complete Mathematics (MA) requirement. |  |  | their major to ensure that all general studies requirements are met before graduation. |


| Term 4 46-60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| Upper Division East Asia Concentration course AND <br> Upper Division Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | C |  |
| 4 Outside East Asia course | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Chinese, Japanese or Korean language course at the intermediate level <br> (202 or equivalent). | 5 | C |  |
| Term hours subtotal: | 15 |  |  |
| Term 5 61-75 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| Upper Division East Asia Concentration course AND <br> Upper Division Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 | C |  |
| Outside East Asia course | 3 | C |  |
| Upper Division East Asia Elective course | 3 | C |  |
| CSE 180: Computer Literacy (CS) OR Lower Division Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours | Hours | Minimum Grade | Notes |
| Upper Division East Asian Concentration Course AND Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) | 3 | C |  |
| Upper Division East Asia Elective course AND Social and Behavioral Sciences (SB) AND Global Awareness (G) | 3 |  |  |
| Cultural Diversity in the U.S. (C) | 3 |  |  |
| Complete 2 courses: Upper Division Elective | 6 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours | Hours | Minimum Grade | Notes |
| Upper Division Outside East Asia course | 3 | C |  |
| Upper Division East Asian Concentration Course AND <br> Upper Division Humanities, Fine Arts and Design (HU) OR <br> Upper Division Social and Behavioral Sciences (SB) | 3 | C |  |
| Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours | Hours | Minimum Grade | Notes |
| HST 496: South, Southeast, and East Asia in the Global Matrix | 3 | C |  |
| Upper Division East Asia Concentration course AND Upper Division Humanities, Fine Arts and Design (HU) | 3 | C |  |
| Complete 2 courses: Upper Division Elective | 3 |  |  |
| Elective | 6 |  |  |
| Term hours subtotal: | 15 |  |  |


| Japanese Concentration Track | Across Asia Courses | Chinese Concentration Track |
| :---: | :---: | :---: |
| ARS 473: Art of Japan (HU) | ARS 201: Art of Asia (HU \& H \& G) | ARS 472: Art of China (HU) |
| FLA 421: Japanese Literature in Translation ((L or HU$) \& \mathrm{G})$ | GCU 326: Geography of Asia (SB \& G) | ARS 475: Chinese Painting (HU) |
| FMS 394: History of Anime | HST 106: Asian Civilizations ((HU or SB) \& G \& H) | CHI 205: Chinese Calligraphy |
|  |  | CHI 321: Chinese Literature (HU) |


| HST 108: Introduction to Japan (SB \& G \& H) |
| :---: |
| HST 387: Japan ((L or SB) \& H) |
| HST 388: Japan (SB \& G \& H) |
| HST 389: Japan Society and Values/Premod |
| HST 455: The United States and Japan (SB \& G \& H) |
| JPN 206: Japanese Calligraphy |
| JPN 321: Reading Modern Japanese Texts I ((L or HU) \& G) |
| JPN 414: Introduction to Classical Japanese |
| JPN 435: Readings in Modern Japanese Letters and Culture |
| JPN 485: Literary Translation: Theory and Practice |
| POS 451: China, Japan, and the Koreas (SB \& G) |
| REL 344: Religion and Values in Japanese Life (HU \& G) |
| REL 355: Japanese Cities and Cultures to 1800 (HU \& H) |
| REL 444: Religion in Japan (HU \& H \& G) |
| REL 494: Hiroshima: History and Memory |

POS 468: Comparative Asian foreign Policies
(SB \& G)
REL 294: Introduction to South Asia,
Southeast Asia Global Crossroads
REL 350: Hinduism ((L or HU) \& G)
REL 356: Buddhism in America
REL 357: Theravada Buddhism in South and
Southeast Asia (L \& G)
REL 365: Islamic Civilization (HU \& H)
REL 394: Religions of India, Women \&
Goddesses in India
SGS 394: Global Urban System,
Development, and Environment

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. $\hat{A}$ At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. Â When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum Hrs Resident Credit for Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map

## Asia Studies (South Asia), BA

College of Liberal Arts and Sciences
Campus:Tempe
LAHSTSABA

| Term 1 0-14 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| HST 106: Asian Civilizations ((HU or SB) \& G \& H) OR <br> HST 107: Asian Civilizations (SB \& G \& H) AND <br> Social and Behavioral Sciences (SB) AND Global Awareness (G) | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - The sequence of required and elective courses will vary with each student according to individual choices and the yearly schedule of classes. HST 496, the capstone course must be taken in the final year. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Hindi language course(s) at the intermediate level (202 or equivalent). | 4 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences | 1 |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-30 Credit Hours | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| ARS 201: Art of Asia (HU \& H \& G) OR HST 201: Historical Themes in Asia AND Historical Awareness (H) | 3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Hindi language course(s) at the intermediate level (202 or equivalent). | 4 | C |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 3 31-46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| HST 111: Introduction to Asia OR REL 111: Introduction to Asia OR HST 194: Introduction to Asia | 3 | C |  |
| 4 South Asia Elective course | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Hindi language course(s) at the intermediate level (202 or equivalent). | 4 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Elective | 3 |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 4 47-60 Credit Hours | Hours | Minimum Grade | Notes |
| 4 South Asia Concentration course | 3 | C |  |
| 4. Outside South Asia course | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Hindi language course(s) at the intermediate level (202 or equivalent). | 4 | C |  |


| Natural Science - Quantitative (SQ) |  | 4 |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Term hours subtotal: | 14 |  |  |
| Term 5 61-75 Credit Hours |  | Hours | Minimum Grade | Notes |
| Upper Division South Asia Concentration course |  | 3 | C |  |
| Upper Division South Asia Elective course |  | 3 | C |  |
| Outside South Asia course |  | 3 | C |  |
| $\begin{aligned} & \text { Natural Science - Quantitative (SQ) OR } \\ & \text { Natural Science - General (SG) } \end{aligned}$ |  | 4 |  |  |
| Elective |  | 2 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours |  | Hours | Minimum Grade | Notes |
| Upper Division South Asia Concentration course |  | 3 | C |  |
| Upper Division South Asia Elective course |  | 3 | C |  |
| Cultural Diversity in the U.S. (C) |  | 3 |  |  |
| Complete 2 courses: Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours |  | Hours | $\begin{gathered} \text { Minimum } \\ \text { Grade } \end{gathered}$ | Notes |
| South Asia Concentration course |  | 3 | C |  |
| Upper Division Outside South Asia course AND Upper Division Literacy and Critical Inquiry (L) |  | 3 | C |  |
| Humanities, Fine Arts and Design (HU) |  | 3 |  |  |
| Complete 2 courses: Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| HST 496: South, Southeast, and East Asia in the Global Matrix |  | 3 | C |  |
| South Asia Concentration course |  | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) |  | 3 |  |  |
| Upper Division Elective |  | 3 |  |  |
| Elective |  | 3 |  |  |
| Term hours subtotal: |  | 15 |  |  |
| Across Asia Courses | South Asia Concentration | South Asia Electives |  |  |
| ARS 201: Art of Asia (HU \& H \& G) | REL 294: Introduction to South Asia | ARS 494: South Asian Fil |  |  |
| HST 106: Asian Civilizations ((HU or SB) \& G \& H) | REL 394: Religions of India, Women \& Goddesses in India | ENG 465: South Asian Cinema |  |  |
| HST 107: Asian Civilizations (SB \& G \& H) | REL 350: Hinduism ((L or HU) \& G) | ARS 494: Buddhist Art Across Asia |  |  |
| HST 201: Historical Themes in Asia | ARS 394: Art of India and South Asia | ECN 436: International Trade Theory (SB \& G) |  |  |
| HST 303: ASIA: Women in Asia | ECN 394: S Asia/World Econ | DAN 194: Dances of India |  |  |
| HST 310: Film as History (HU) | HST 303: ASIA: Modern South Asia | GRA 494: India:Cultrl Com \& Soc Is |  |  |
| POS 445: Asian Political Thought (SB \& G) | POS 357: South Asia Politics (SB \& G) | JUS 394: Information Technology and Social Justice |  |  |
| POS 468: Comparative Asian foreign Policies (SB \& G) | SGS 294: Introduction to South Asia | MHL 140: Music as Culture (HU \& G) |  |  |
| GCU 326: Geography of Asia (SB \& G) |  | POS 360: Asian International Politics |  |  |
| PUP 494: International City Design |  | POS 468: Comparative Asian foreign Policies (SB \& G) |  |  |
| REL 345: Asian Religious Traditions (HU \& G) |  | REL 3 | lamic Civiliz |  |


| Outside South Asia |
| :---: |
| ARS 472: Art of China (HU) |
| ARS 473: Art of Japan (HU) |
| ARS 475: Chinese Painting (HU) |
| ARS 494: Buddhist Art Across Asia |
| ASB 325: Peoples of Southeast Asia (G) |
| CHI 205: Chinese Calligraphy |
| CHI 321: Chinese Literature (HU) |
| CHI 322: Chinese Literature (HU \& G) |
| CHI 345: Chinese Film and Civilization |
| CHI 413: Introduction to Literary Chinese I (HU) |
| CHI 414: Classical Chinese II |
| FLA 294: Introduction to Chinese Cinema, Southeast Asian Literatures in Translation |
| FLA 420: Mod Chinese Literature in Translation |
| FLA 421: Japanese Literature in Translation ((L or HU) \& G) |
| FLA 494: Chinese Fiction in Trnslatn |
| FMS 394: History of Anime |
| GCU 432: Geography of China (SB \& G) |
| GCU 433: Geography of Southeast Asia |
| HPS 325: History of Chinese Medicine (HU \& H \& G) |
| HST 108: Introduction to Japan (SB \& G \& H) |
| HST 240: Introduction to Southeast Asia ((HU or SB) \& G) |
| HST 383: China (SB \& H) |
| HST 384: China (SB \& G \& H) |
| HST 385: History of Chinese Medicine (HU \& H \& G) |
| HST 386: Interpreting China's Classics ((L or HU ) \& H) |
| HST 387: Japan ((L or SB) \& H) |
| HST 388: Japan (SB \& G \& H) |
| HST 389: Japan Society and Values/Premod |
| HST 391: Modern Southeast Asia (SB \& G \& H) |
| HST 451: Chinese Cultural History ((HU or SB) \& H) |
| HST 452: Chinese Cultural History (SB \& G \& H) |
| HST 453: The People's Republic of China (SB \& G \& H) |
| HST 455: The United States and Japan (SB \& G \& H) |
| HST 456: The Vietnam War (SB \& G \& H) |
| JPN 206: Japanese Calligraphy |
| JPN 321: Reading Modern Japanese Texts I ((L or HU) \& G) |

JPN 414: Introduction to Classical Japanese
JPN 435: Readings in Modern Japanese
Letters and Culture
JPN 485: Literary Translation: Theory and
Practice
JUS 394: Information Technology and Social
Justice
KOR 250: Korean Culture and Society (HU
\& G)
KOR 347: Korean Film and Literature (HU)
KOR 350: Women of Korea (H)
MUP 387: Gamelan
REL 294: Southeast Asia Global Crossroads
REL 343: Daoism ((L or HU) \& G \& H)
REL 344: Religion and Values in Japanese
Life (HU \& G)
REL 346: Chinese Religions
REL 240: Introduction to Southeast Asia
((HU or SB) \& G)
ASB 240: Introduction to Southeast Asia
((HU or SB) \& G)
GCU 240: Introduction to Southeast Asia
((HU or SB) \& G)
POS 240: Introduction to Southeast Asia
((HU or SB) \& G)
SGS 240: Introduction to Southeast Asia
((HU or SB) \& G)

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. A Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.
- The Asia Studies major, South Asia Track, requires 20 credits or their equivalent in a South Asia Language (ordinarily Hindi) and 45 credits in content courses (of which at least 24 must be upper division credits, i.e., from courses numbered 300 or above). Many general studies requirements can be satisfied with course requirements in the major. Students should consult with their academic advisor often to ensure all requirements are met prior to graduation.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)


## General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map

## Asia Studies (Southeast Asia), BA

College of Liberal Arts and Sciences
Campus:Tempe
LAHSTSEABA

| Term 1-15 Credit Hours Critical course signified by | Hours | Minimum Grade |
| :---: | :---: | :---: |
| HST 106: Asian Civilizations (( HU or SB) \& G \& H) OR HST 107: Asian Civilizations (SB \& G \& H) OR Across Asia course AND Social and Behavioral Sciences (SB) | 3 | C |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |
| MAT 142: College Mathematics (MA) | 3 | C |
| Second Language: Requirement satisfied through the following: <br> * Completion of Vietnamese, Thai or Indonesian language course at the intermediate level (202 or equivalent). | 5 | C |
| LIA 194: Intro to Liberal Arts and Sciences OR First-Year Seminar | 1 |  |
| Term hours subtotal: | 15 |  |

- 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 or College specific equivalent First Year Seminar required of all freshman students.
- The sequence of required and elective courses will vary with each student according to individual choices and the yearly schedule of classes. HST 496, the capstone course must be taken in the final year.

| Term 2 16-30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ARS 201: Art of Asia (HU \& H \& G) OR HST 201: Historical Themes in Asia OR Across Asia course AND Historical Awareness (H) | 3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Vietnamese, Thai or Indonesian language course at the intermediate level (202 or equivalent). | 5 | C |  |
| Term hours subtotal: | 15 |  |  |
| Term 3 31-45 Credit Hours Critical course signified by ${ }^{\text {e }}$ | Hours | Minimum Grade | Notes |
| HST 111: Introduction to Asia OR HST 194: Introduction to Asia | 3 | C |  |
| 4 Southeast Asia Elective course | 3 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Vietnamese, Thai or Indonesian language course at the intermediate level <br> (202 or equivalent). | 5 | C |  |
| Elective | 1 |  |  |
| Complete First-Year Composition requirement. |  |  |  |
| Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 4 46-60 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |

HST 240: Introduction to Southeast Asia ((HU or SB) \& G) OR
REL 240: Introduction to Southeast Asia ((HU or SB) \& G) OR
(1. ASB 240: Introduction to Southeast Asia ((HU or SB) \& G) OR

GCU 240: Introduction to Southeast Asia ((HU or SB) \& G) OR
POS 240: Introduction to Southeast Asia ((HU or SB) \& G) OR
SGS 240: Introduction to Southeast Asia ((HU or SB) \& G)

| 4. Outside Southeast Asia course |  | 34 | C |  |
| :---: | :---: | :---: | :---: | :---: |
| Natural Science - Quantitative (SQ) |  |  | 4 |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Vietnamese, Thai or Indonesian language course at the intermediate level <br> (202 or equivalent). |  | 5 | C |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 5 61-75 Credit Hours |  | Hours | Minimum Grade | Notes |
| Upper Division Southeast Asia Concentration course |  | 3 | C |  |
| Upper Division Southeast Asia Elective course |  | 3 | C |  |
| Outside Southeast Asia course |  | 3 | C |  |
| Computer/Statistics/Quantitative Applications (CS) |  | 3 |  |  |
| Humanities, Fine Arts and Design (HU) |  | 3 |  |  |
| Term hours subtotal: |  | 15 |  |  |
| Term 6 76-90 Credit Hours |  | Hours | Minimum Grade | Notes |
| Upper Division Southeast Asia Concentration course |  | 3 | C |  |
| Upper Division Southeast Asia Elective course |  | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) |  | 3 |  |  |
| Cultural Diversity in the U.S. (C) |  | 3 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours |  | Hours | Minimum Grade | Notes |
| Upper Division Southeast Asia Concentration course |  | 3 | C |  |
| Upper Division Outside Southeast Asia course AND <br> Upper Division Humanities, Fine Arts and Design (HU) OR <br> Upper Division Social and Behavioral Sciences (SB) |  | 3 | C |  |
| Upper Division Literacy and Critical Inquiry (L) |  | 3 |  |  |
| Complete 2 courses: <br> Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| HST 496: South, Southeast, and East Asia in the Global Matrix |  | 3 | C |  |
| Upper Division Southeast Asia Concentration course |  | 3 | C |  |
| Complete 3 courses: Upper Division Elective |  | 9 |  |  |
| Term hours subtotal: |  | 15 |  |  |
| Southeast Asia Concentration | Southeast Asia Elective Courses | Across | n Courses (6 |  |
| HST 240: Introduction to Southeast Asia ((HU or SB) \& G) | ARS 494: Buddhist Art Across Asia | GCU | Geography of |  |
| ASB 325: Peoples of Southeast Asia (G) | FLA 294: Southeast Asian Literatures in Translation | ARS 201: Art of Asia (HU \& H \& G) |  |  |
| HST 391: Modern Southeast Asia (SB \& G \& H) | GCU 433: Geography of Southeast Asia | HST 106: Asian Civilizations ((HU or SB) \& G \& H) |  |  |
|  | HST 456: The Vietnam War (SB \& G \& H) | HST 201: Historical Themes in Asia |  |  |
| POS 358: Southeast Asia (SB \& G) | JUS 394: Information Technology and Social Justice | HST 303: ASIA: Women in Asia |  |  |
| SGS 394: Global Urban System, Development, and Environment |  |  |  |  |
|  | MUP 387: Gamelan | HST 310: Film as History (HU) |  |  |
|  |  | POS 445: Asian Political Thought (SB \& G) |  |  |
|  | POS 368: Ethics and Human Rights REL 294: Southeast Asia Global Crossroads | POS 468: Comparative Asian foreign Policies (SB \& G) |  |  |
|  | REL 357: Theravada Buddhism in South and Southeast Asia (L \& G) | PUP 4 | ternational City |  |

REL 350: Hinduism ((L or HU) \& G)
REL 351: Buddhism ((L or HU) \& G)

| Outside Southeast Asia |
| :---: |
| ARS 394: Art of India and South Asia |
| ARS 494: Buddhist Art Across Asia, South Asian Film |
| ARS 472: Art of China (HU) |
| ARS 473: Art of Japan (HU) |
| ARS 475: Chinese Painting (HU) |
| CHI 205: Chinese Calligraphy |
| CHI 321: Chinese Literature (HU) |
| CHI 322: Chinese Literature (HU \& G) |
| CHI 345: Chinese Film and Civilization |
| CHI 413: Introduction to Literary Chinese I (HU) |
| CHI 414: Classical Chinese II |
| DAN 194: Dances of India |
| ECN 394: S Asia/World Econ |
| ECN 436: International Trade Theory (SB \& G) |
| FLA 294: Introduction to Chinese Cinema |
| FLA 420: Mod Chinese Literature in Translation |
| FLA 421: Japanese Literature in Translation ((L or HU$) \& \mathrm{G})$ |
| FLA 494: Chinese Fiction in Trnslatn |
| FMS 394: History of Anime |
| GCU 432: Geography of China (SB \& G) |
| GRA 494: India:Cultrl Com \& Soc Is |
| HPS 325: History of Chinese Medicine (HU \& H \& G) |
| HST 108: Introduction to Japan (SB \& G \& H) |
| HST 303: ASIA: Modern South Asia |
| POS 357: South Asia Politics (SB \& G) |
| HST 383: China (SB \& H) |
| HST 384: China (SB \& G \& H) |
| HST 385: History of Chinese Medicine (HU \& H \& G) |
| HST 386: Interpreting China's Classics ((L or HU ) \& H) |
| HST 387: Japan ((L or SB) \& H) |
| HST 388: Japan (SB \& G \& H) |
| HST 389: Japan Society and Values/Premod |
| HST 451: Chinese Cultural History ((HU or SB) \& H) |
| HST 452: Chinese Cultural History (SB \& G \& H) |
| HST 453: The People's Republic of China (SB \& G \& H) |



SGS 494: China and Globalization

## Notes:

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- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. Â At least one of the two courses taken from the list must be upper division. $\hat{\text { Al Science and }}$ society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. At At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.
- The Asia Studies major, Southeast Asia Track, requires 20 credits or their equivalent in a Southeast Asian Language (ordinarily Vietnamese, Thai, or Indonesian) and 39 credits in content courses (of which at least 24 must be upper division credits, i.e., from courses numbered 300 or above). Many general studies requirements can be satisfied with course requirements in the major. Students should consult with their academic advisor often to ensure all requirements are met prior to graduation.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)


## 2011-2012 Major Map Asian Languages - Chinese, BA

College of Liberal Arts and Sciences
Campus:Tempe
LACHIBA

| Term 1 0-16 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| 1 CHI 101: First-Year Chinese I |  | 5 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Students interested in the Chinese Flagship sub-plan should meet with an academic advisor regarding requirements. |
| CHI 120: Introduction to Chinese Culture |  | 3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| MAT 142: College Mathematics (MA) |  | 3 | C |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |  |
| SLC 294: Language Exploration |  | 2 |  |  |
|  | Term hours subtotal: | 16 |  |  |


| Term 2 17-30 Credit Hours Critical course signified by 4 | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1. CHI 102: First-Year Chinese II | 5 | C | - Students interested in the Chinese Flagship sub-plan should meet with an academic advisor regarding requirements. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 3 31-45 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| 4 CHI 201: Second-Year Chinese I (G) | 5 | C | - Students interested in the Chinese Flagship sub-plan should meet with an academic advisor regarding requirements. |
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 4 46-60 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| 4 CHI 202: Second-Year Chinese II (G) | 5 | C | - Students interested in the Chinese Flagship sub-plan should meet with an academic advisor regarding requirements. |
| APA 200: Introduction to Asian Pacific American Studies ((HU or SB) \& C) OR Cultural Diversity in the U.S. (C) OR Elective | 3 |  |  |


| Term 5 61-74 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| CHI 301: Third-Year Chinese I (G) |  | 5 | C | - Minimum grade of "C" in all CHI, SLC and East-Asian Related Fields courses. <br> - Enroll in Study Abroad Program credits or listed courses. <br> - SLC 420 topic must pertain to Chinese literature |
| Upper Division China Related Humanities or Social Science Course |  | 3 | C |  |
| APA 200: Introduction to Asian Pacific American Studies ((HU or SB) \& C) OR Social and Behavioral Sciences (SB) OR Elective |  | 3 |  |  |
| CHI 321: Chinese Literature (HU) OR <br> CHI 322: Chinese Literature (HU \& G) |  | 3 | C |  |
|  | Term hours subtotal: | 14 |  |  |
| Term 6 75-91 Credit Hours |  | Hours | Minimum Grade | Notes |
| CHI 302: Third-Year Chinese II (G) |  | 5 | C | - Minimum grade of "C" in all CHI, SLC and East-Asian Related Fields courses. <br> - Enroll in Study Abroad Program credits or listed courses. <br> - SLC 420 topic must pertain to Chinese literature |
| Upper Division China Related Humanities or Social Science Course |  | 6 | C |  |
| Historical Awareness (H) |  | 3 |  |  |
| CHI 321: Chinese Literature (HU) OR <br> CHI 322: Chinese Literature (HU \& G) |  | 3 | C |  |
|  | Term hours subtotal: | 17 |  |  |
| Term 7 92-106 Credit Hours |  | Hours | Minimum Grade | Notes |
| CHI 307: Introduction to Literary Chinese I (HU) |  | 3 | C | - Minimum grade of "C" in all CHI, SLC and East-Asian Related Fields courses. <br> - Enroll in Study Abroad Program credits or listed courses. |
| Upper Division Literacy and Critical Inquiry (L) |  | 3 |  |  |
| CHI 380: The Chinese Language |  | 3 | C |  |
| Upper Division Chinese Language, Literature, and Linquistics Elective Courses |  | 6 | C |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 107-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| CHI 308: HU (Classical Chinese II) |  | 3 | C | - Minimum grade of "C" in all CHI, SLC and East-Asian Related Fields courses. <br> - Enroll in Study Abroad Program credits or listed courses. |
| SLC 4** Elective OR <br> SLC 498: Capstone |  | 3 | C |  |
| Lower Division Elective |  | 5 |  |  |
| Upper Division Chinese Language, Literature, and Linquistics Elective Courses |  | 3 | C |  |
| Term hours subtotal: |  | 14 |  |  |
| China Related Humanities or Social Science Courses | Chinese Literature Courses | Chinese Language Courses |  |  |
|  | CHI 430: Readings in Chinese Religions | CHI 401: Fourth-Year Chinese I |  |  |
| ARS 201: Art of Asia (HU \& H \& G) | CHI 450: Classical Prose | CHI 402: Fourth-Year Chinese II |  |  |
| ARS 472: Art of China (HU) | CHI 450. Classical Prose |  |  |  |  |
| ARS 475: Chinese Painting (HU) | CHI 461: Classical Vernacular Performance Literature | CHI 407: Chinese for Professional Purposes I |  |  |
|  |  | CHI 408: Chinese for Professional Purposes II |  |  |
| HST 383: China (SB \& H) | CHI 462: Readings in Traditional Xiaoshuo |  |  |  |  |
| HST 384: China (SB \& G \& H) | CHI 470: Modern Chinese Literature and Culture |  |  |  |
| HST 385: History of Chinese Medicine (HU \& H \& G) |  |  |  |  |
| HST 386: Interpreting China's Classics ((L or HU )\& H) |  |  |  |  |
| HST 452: Chinese Cultural History (SB \& G \& H) |  |  |  |  |
| REL 343: Daoism ((L or HU) \& G \& H) |  |  |  |  |
| REL 345: Asian Religious Traditions (HU \& G) |  |  |  |  |
| REL 346: Chinese Religions |  |  |  |  |
| REL 351: Buddhism ((L or HU) \& G) |  |  |  |  |
| Chinese Linguistics Courses |  |  |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.
- Degree offerings in the School of International Letters \& Cultures are flexible liberal arts majors. Students must bear in mind that the credits toward the major and minor can only be accumulated after completion of preparatory language courses. These preparatory courses are not major requirements and do not count toward the hours the student needs to complete degree requirements. Demonstrated proficiency at the intermediate level is required for enrollment in major requirement courses. Students are strongly encouraged to contact an academic advisor regarding clarifications on course applicability.
- Students majoring in Chinese will notice there is a Flagship track. The Chinese Language Flagship Program is an intensive Chinese language program for advanced level learners. While there are common requirements between both tracks, there are also differences in the number of credit hours required in track-level courses. Students are strongly advised to see an academic advisor to discuss these differences. Regardless of which track the student chooses, s/he will graduate with a B.A. in Chinese. The track denotation will appear on the transcript.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Asian Languages - Japanese, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAJPNBA

| Term 1 0-16 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1. JPN 101: First-Year Japanese I | 5 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| SLC 294: Language Exploration | 2 |  |  |
| Historical Awareness (H) | 3 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 2 17-30 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | $\begin{gathered} \text { Minimum } \\ \text { Grade } \end{gathered}$ | Notes |
| 4 JPN 102: First-Year Japanese II | 5 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 3 31-45 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| 4. JPN 201: Second-Year Japanese I (G) | 5 | C |  |
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 |  |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |

Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
Term hours subtotal: 15

| Term 4 46-60 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4 JPN 202: Second-Year Japanese II (G) | 5 | C |  |
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory | 3 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 5 61-75 Credit Hours | Hours | Minimum Grade | Notes |
| JPN 301: Third-Year Japanese I (G) | 3 | C | - Minimum grade of " C " in all JPN, SLC and East-Asian Related Fields courses. |
| JPN 3** Elective | 3 | C |  |
| SLC 421: Japanese Literature in Translation ((L or HU) \& G) | 3 | C |  |


| CHI OR KOR Elective OR <br> SLC 420: Chinese Fiction, Classic Novels of China, Trad Chinese Fict in Tran | 3 | C | - Enroll in Study Abroad Program credits or listed courses. |
| :---: | :---: | :---: | :---: |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| JPN 302: Third-Year Japanese II (G) | 3 | C | - Minimum grade of " C " in all JPN, SLC and East-Asian Related Fields courses. <br> - Enroll in Study Abroad Program credits or listed courses. |
| JPN 3** Elective | 3 | C |  |
| CHI OR KOR Elective OR <br> SLC 420: Chinese Fiction, Classic Novels of China, Trad Chinese Fict in Tran | 3 | C |  |
| Upper Division Elective | 3 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours | Hours | Minimum Grade | Notes |
| JPN 401: Reading Modern Japanese Texts I ((L or HU) \& G) | 3 | C | - Minimum grade of "C" in all JPN, SLC and East-Asian Related Fields courses. <br> - Enroll in Study Abroad Program credits or listed courses. |
| JPN 414: Introduction to Classical Japanese | 3 | C |  |
| Japanese Related Area Elective | 3 | C |  |
| Upper Division Elective | 6 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours | Hours | Minimum Grade | Notes |
| JPN 4** Elective | 3 | C | - Minimum grade of "C" in all JPN, SLC and East-Asian Related Fields courses. <br> - Enroll in Study Abroad Program credits or listed courses. |
| SLC 4** Elective OR <br> SLC 498: Capstone | 3 | C |  |
| Japanese Related Area Elective | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Elective | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of $C$ or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.A A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}$, SQ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. $\hat{A}$ At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of $C$ or better must be earned in order for the course to be used to fill the science and society requirement.
- Degree offerings in the School of International Letters \& Cultures are flexible liberal arts majors. Students must bear in mind that the credits toward the major and minor can only be accumulated after completion of preparatory language courses. These preparatory courses are not major requirements and do not count toward the hours the student needs to complete degree requirements. Demonstrated proficiency at the intermediate level is required for enrollment in major requirement courses. Students are strongly encouraged to contact an academic advisor regarding clarifications on course applicability.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend
General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

## 2011-2012 Major Map

## Asian Pacific American Studies, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAAPABA

| Term 1 0-14 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1 APA 200: Introduction to Asian Pacific American Studies ((HU or SB) \& C) | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. |
| LIA 194: Academic Success Seminar, Intro to Liberal Arts and Sciences | 1 |  |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including <br> American Sign Language IV. | 4 | C |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-30 Credit Hours | Hours | Minimum Grade | Notes |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - Selection of SB or HU courses will be determined by general studies designation selected for APA 200 and APA 360 |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Humanities, Fine Arts and Design (HU) OR Social and Behavioral Sciences (SB) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 3 31-47 Credit Hours Critical course signified by 4 | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| APA Elective | 3 | C | - Selection of SB or HU courses will be determined by general studies designation selected for APA 200 and APA 360 |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Global Awareness (G) | 3 |  |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| 1. Complete First-Year Composition requirement. |  |  |  |

Term hours subtotal: 17

| Term 4 48-61 Credit Hours Critical course signified by ${ }^{\text {4 }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1 APA 360: Asian Pacific American Experience | 3 | C | - Selection of SB or HU courses will be determined by general studies designation selected for APA 200 and APA 360 |
| APA Upper Division Elective | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Term hours subtotal: | 14 |  |  |
| Term 5 62-76 Credit Hours | Hours | Minimum Grade | Notes |

 \& C)

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JUS 325: Globalization and Socio-Economic
Justice (G)
JUS 350: Immigration and Justice (SB & C)
JUS 405: Economic Justice ((L or SB) & G)
JUS 425: Race, Gender, and Justice ((L or
SB) & C)
JUS 432: Racial Justice (L)
POS 439: Minority Group Politics in America
(SB & C)
SBS 301: Cultural Diversity ((L or SB) & C)
SBS 339: Grassroots Social Movements (SB)
SBS 410: Topics in Identity/Difference
TCL 327: Health and Migration (SB)
TCL 410: Race, Medicine, and the Body (L)
WST 378: Global Feminist Theory (L & C &
G)
WST 380: Race, Gender and Class (SB & C)
WST 420: Women of Color in Film (HU &
C)
WST 457: Women, Cultures, and Societies
(SB & G)
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## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.A A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division.Â Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. A When you complete both courses, all three learning goals must be filled in order to complete the requirement. A Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map <br> Biochemistry, BA

College of Liberal Arts and Sciences
Campus:Tempe
LABCHBA

| Term 1 0-14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I OR CHM 113: General Chemistry I (SQ) | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Consult an academic advisor for Learning Community, Campus Match and First Year Seminar options |
| 4 MAT 251: Calculus for Life Sciences (MA) | 3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| LIA 194: Intro to Liberal Arts and Sciences OR CHM 191: Chemistry Topics | 1 |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-29 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C |  |
| CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II OR CHM 116: General Chemistry II (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Term hours subtotal: | 15 |  |  |
| Term 3 30-45 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| CHM 333: Organic Chemistry for Majors I OR CHM 233: General Organic Chemistry I | 3 | C | - Take PHY 111 and PHY 113 if $a$ two semester sequence of Physics is preferred. <br> - Take PHY 101 OR PHY 111 and 113; not both. |
| CHM 337: Organic Chemistry Laboratory for Majors I OR CHM 237: General Organic Chemistry Laboratory I | 1 | C |  |
| PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) | 4 | C |  |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| 1. Complete First-Year Composition requirement. |  |  |  |
| Complete CHM 117, CHM 111, CHM 113, CHM 118, CHM 112 , CHM 116, MAT 251, PHY 101, PHY 111, PHY 113 course(s). |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 4 46-60 Credit Hours Critical course signified by ${ }^{\text {P }}$ | Hours | Minimum Grade | Notes |
| PHY 112: General Physics (SQ) AND <br> PHY 114: General Physics Laboratory (SQ) | 4-0 | C | - Take PHY 112 and PHY 114 if $a$ two semester sequence of Physics is preferred. PHY 112 and PHY 114 are critical by the end of term 4 if two semester |
| CHM 334: Organic Chemistry for Majors II OR CHM 234: General Organic Chemistry II | 3 | C |  |
| CHM 338: Organic Chemistry Laboratory for Majors II OR CHM 238: General Organic Chemistry Laboratory II | 1 | C |  |



## BIO elective

BIO 201: Human Anatomy and Physiology I
BIO 202: Human Anatomy and Physiology II (SG)

BIO 340: General Genetics

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map <br> Biochemistry, BS

College of Liberal Arts and Sciences
Campus:Tempe
LABCHBS

| Term 1 0-15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| CHM 111: General Chemistry Laboratory for Majors I AND CHM 117: General Chemistry for Majors I (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Consult an academic advisor for Learning Community, Campus Match and First Year Seminar options |
| 4 MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| LIA 194: Intro to Liberal Arts and Sciences OR CHM 191: Chemistry Topics | 1 |  |  |
| Term hours subtotal: | 15 |  |  |


| Term 2 16-30 Credit Hours Critical course signified by ${ }^{\text {P }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C |  |
| CHM 112: General Chemistry Laboratory for Majors II AND CHM 118: General Chemistry for Majors II (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C |  |
| Term hours subtotal: | 15 |  |  |
| Term 3 31-45 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| CHM 333: Organic Chemistry for Majors I OR CHM 233: General Organic Chemistry I | 3 | C | - The following courses completed by end of term 3 : CHM 113 (or 117 and 111), CHM 116 (or 118 and 112), MAT 270, PHY 111 |
| CHM 337: Organic Chemistry Laboratory for Majors I OR CHM 237: General Organic Chemistry Laboratory I | 1 | C |  |
| 4 PHY 111: General Physics (SQ) | 3 | C |  |
| PHY 113: General Physics Laboratory (SQ) | 1 | C |  |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C |  |
| Elective | 3 |  |  |
| Complete CHM 113, CHM 117, CHM 111, CHM 116, CHM 118, CHM 112, MAT 270, PHY 111 course(s). |  |  |  |
| Complete First-Year Composition requirement. |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 4 46-59 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| 1. PHY 112: General Physics (SQ) | 3 | C |  |
| Complete CHM 233, CHM 237, BIO 181, BIO 182, PHY 112 course(s). |  |  |  |
| PHY 114: General Physics Laboratory (SQ) | 1 | C |  |
| CHM 334: Organic Chemistry for Majors II OR CHM 234: General Organic Chemistry II | 3 | C |  |


| CHM 338: Organic Chemistry Laboratory for Majors II OR CHM 238: General Organic Chemistry Laboratory II | 1 | C |  |
| :---: | :---: | :---: | :---: |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 5 60-74 Credit Hours | Hours | Minimum Grade | Notes |
| BCH 461: General Biochemistry | 3 | C | - CHM 234 and CHM 341 are coor pre-requisites for most advanced CHM and BCH courses |
| CHM 341: Elementary Physical Chemistry | 3 | C |  |
| Advanced BIO Elective | 3-4 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| Term hours subtotal: | 15-16 |  |  |
| Term 6 75-89 Credit Hours | Hours | Minimum Grade | Notes |
| BCH 462: General Biochemistry | 3 | C |  |
| BCH 463: Biophysical Chemistry | 3 | C |  |
| BCH 467: Analytical Biochemistry Laboratory (L) | 3 | C |  |
| Advanced BIO Elective | 3-4 | C |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Term hours subtotal: | 15-16 |  |  |
| Term 7 90-107 Credit Hours | Hours | Minimum Grade | Notes |
| CHM OR BCH Upper Division Elective | 3 | C |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Complete 3 courses: Upper Division Elective | 9 |  |  |
| Term hours subtotal: | 18 |  |  |
| Term 8 108-120 Credit Hours | Hours | Minimum Grade | Notes |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  | - Elective vs. Upper Division Elective is dependant upon level of Organic Chemistry and Biology Electives <br> - Forty-five total units of upper division is required for degree completion |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) | 3 |  |  |
| Elective | 1 |  |  |
| Complete 2 courses: Upper Division Elective | 6 |  |  |
| Term hours subtotal: | 13 |  |  |
| BIO elective |  |  |  |
| BIO 201: Human Anatomy and Physiology I |  |  |  |
| BIO 202: Human Anatomy and Physiology II (SG) |  |  |  |
| BIO 340: General Genetics |  |  |  |
| BIO 351: Developmental Biology |  |  |  |
| BIO 353: Cell Biology |  |  |  |
| BIO 360: Animal Physiology |  |  |  |
| MBB 343: Genetic Engineering and Society (L) |  |  |  |
| MBB 350: Applied Genetics |  |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division.A Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map <br> Biochemistry (Medicinal Chemistry), BS

College of Liberal Arts and Sciences
Campus:Tempe
LABCHMBS

| Term 1 0-15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I OR CHM 113: General Chemistry I (SQ) | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Consult an academic advisor for Learning Community, Campus Match and First Year Seminar options |
| 4 MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| LIA 194: Intro to Liberal Arts and Sciences OR CHM 191: Chemistry Topics | 1 |  |  |
| Term hours subtotal: | 15 |  |  |


| Term 2 16-30 Credit Hours Critical course signified by ${ }^{\text {- }}$ | Hours | $\begin{gathered} \text { Minimum } \\ \text { Grade } \end{gathered}$ | Notes |
| :---: | :---: | :---: | :---: |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C |  |
| CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II OR CHM 116: General Chemistry II (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C |  |
| Term hours subtotal: | 15 |  |  |
| Term 3 31-45 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| CHM 333: Organic Chemistry for Majors I OR CHM 233: General Organic Chemistry I | 3 | C | - Complete the following critical courses by end of term 3: CHM 117 and 111 (or 113), CHM 118 and 112 (or 116), MAT 270, PHY 111 |
| CHM 337: Organic Chemistry Laboratory for Majors I OR CHM 237: General Organic Chemistry Laboratory I | 1 | C |  |
| 4 PHY 111: General Physics (SQ) | 3 | C |  |
| PHY 113: General Physics Laboratory (SQ) | 1 | C |  |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C |  |
| Elective | 3 |  |  |
| Complete CHM 113, CHM 117, CHM 111, CHM 116 , CHM 118, CHM 112, MAT 270, PHY 111 course(s). |  |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 4 46-59 Credit Hours Critical course signified by ${ }^{\text {! }}$ | Hours | Minimum Grade | Notes |
| 1 PHY 112: General Physics (SQ) | 3 | C | - Complete remaining critical courses by end of term 4: CHM 333 (or 233), CHM 337 (or 237) BIO 181 or BIO 182, PHY 112 |
| PHY 114: General Physics Laboratory (SQ) | 1 | C |  |
| CHM 334: Organic Chemistry for Majors II OR CHM 234: General Organic Chemistry II | 3 | C |  |

course(s).
Term hours subtotal: 14

| Term 5 60-75 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| BCH 461: General Biochemistry | 3 | C | - CHM 234 and CHM 341 are coor pre-requisites for most advanced CHM and BCH courses |
| BIO 353: Cell Biology | 3 | C |  |
| CHM 341: Elementary Physical Chemistry | 3 | C |  |
| CHM 343: Physical Chemistry Laboratory | 1 | C |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 6 76-90 Credit Hours | Hours | Minimum Grade | Notes |
| BCH 462: General Biochemistry | 3 | C |  |
| BCH 463: Biophysical Chemistry | 3 | C |  |
| BCH 467: Analytical Biochemistry Laboratory (L) | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours | Hours | Minimum Grade | Notes |
| CHM 433: Advanced Organic Chemistry I | 3 | C |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours | Hours | Minimum Grade | Notes |
| CHM 435: Medicinal Chemistry | 3 | C |  |
| CHM OR BCH Upper Division Elective | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) | 3 |  |  |
| Complete 2 courses: <br> Upper Division Elective | 6 |  |  |
| Term hours subtotal: | 15 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. At At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. At At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Biological Sciences, BS

College of Liberal Arts and Sciences
Campus:Tempe
LABSCBS

| Term 1 $10-15$ Credit Hours Critical course signified by |  | Hours | Minimum <br> Grade |
| :--- | :--- | :--- | :--- |
| BIO 100: The Living World (SQ) OR <br> BIO 181: General Biology I (SQ) OR <br> BIO 182: General Biology II (SG) | 4 |  | N |


| Term 2 16-32 Credit Hours Critical course signified by ${ }^{\text {- }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C | - CHM 116 must be completed by end of term 3 |
| CHM 113: General Chemistry I (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 251: Calculus for Life Sciences (MA) OR MAT 170: Precalculus (MA) | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Global Awareness (G) OR <br> Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| 4 Complete CHM 113 course(s). |  |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 3 33-46 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C | - CHM 116 must be completed by end of term 3 |
| CHM 116: General Chemistry II (SQ) OR <br> CHM 231: Elementary Organic Chemistry (SQ) AND <br> CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR <br> CHM 233: General Organic Chemistry I AND <br> CHM 237: General Organic Chemistry Laboratory I | 4 | C |  |
| MAT 251: Calculus for Life Sciences (MA) OR <br> Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 | C |  |
| CLAS Science and Society Elective OR BIO 340: Fundamentals of Genetics | 3-4 | C |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| 4 Complete CHM 116 course(s). |  |  |  |
| Term hours subtotal: | 14-15 |  |  |
| Term 4 47-63 Credit Hours | Hours | Minimum Grade | Notes |



| BIO 321: Introductory Ecology Laboratory (L) | BIO 331: Animal Behavior |
| :---: | :---: |
|  | BIO 351: Developmental Biology |
| BIO 342: General Genetics Laboratory |  |
| BIO 343: Genetic Engineering and Society (L) | BIO 353: Cell Biology |
|  | BIO 360: Animal Physiology |
| BIO 352: Laboratory in Vertebrate Developmental Anatomy | BIO 370: Vertebrate Zoology |
| BIO 361: Animal Physiology Laboratory | MIC 220: Biology of Microorganisms |
| BIO 435: Research Techniques in Animal Behavior | PLB 300: Comparative Plant Diversity (L or SG) |
| MIC 302: Advanced Bacteriology Laboratory (L) |  |
| MBB 350: Applied Genetics |  |
| BIO 495: Undergraduate Research |  |

BIO 323: Conservation Biology and Ecological Sustainability II
BIO 325: Oceanography
BIO 346: The Darwinian Revolution
BIO 355: Introduction to Computational Molecular Biology (CS)

BIO 386: General Entomology
BIO 406: Computer Applications in Biology (CS)
BIO 415: Biometry (CS)
BIO 416: Professional Values in Science (L)
BIO 423: Population and Community Ecology

BIO 427: Fire (H)
BIO 428: Biogeography (L)
BIO 431: Genes, Development, and Evolution (L)

BIO 436: Sociobiology and Behavioral Ecology

BIO 440: Functional Genomics
BIO 446: Principles of Human Genetics (L)
BIO 453: Animal Histology
BIO 455: Introduction to Comparative Genomics

BIO 467: Neurobiology
BIO 461: Comparative Animal Physiology
BIO 462: Endocrine Physiology
BIO 464: Photobiology
BIO 471: Ornithology
BIO 472: Mammalogy
BIO 474: Herpetology
HPS 322: History of Science (HU \& H)
HPS 323: History of Science (HU \& H)
HPS 330: History of Biology: Conflicts and Controversies

HPS 331: History of Medicine (H)
MIC 360: Bacterial Physiology
MIC 420: Immunology: Molecular and Cellular Foundations

MIC 426: Medical Immunology
MIC 427: Immunoneuropsychology:
Research Foundation (L)
MIC 485: General Virology
PLB 302: Plants and Civilization
PLB 305: Cacti and Succulents
PLB 310: The Flora of Arizona
PLB 407: Plant Fossils and Evolution
PLB 411: Trees and Shrubs of Arizona
BIO 494: Advanced Animal Behavior, Advanced Study Practicum, Advanced Study Practicum: Anatomy \& Physiology,
Advanced Study Practicum: Laboratory
Assistance, Advanced Study Practicum:
Lecture

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. At At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map

## Biological Sciences (Animal Physiology \& Behavior),BS

College of Liberal Arts and Sciences
Campus:Tempe
LABSCABS

| Term 1 0-15 Credit Hours Critical course signified by |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| BIO 100: The Living World (SQ) OR BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) |  | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - CHM 113 must be completed by end of term 2 <br> - If student tests into MAT 106 then BIO 100 is recommended |
| CHM 113: General Chemistry I (SQ) OR Social and Behavioral Sciences (SB) OR Humanities, Fine Arts and Design (HU) |  | 4-3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| STP 231: Statistics for Life Science (CS) |  | 3 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences |  | 1 |  |  |
|  | Term hours subtotal: | 15-14 |  |  |


| Term 2 16-32 Credit Hours Critical course signified by ${ }^{\text {P }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C | - CHM 116 must be completed by end of term 3 |
| CHM 113: General Chemistry I (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 251: Calculus for Life Sciences (MA) OR MAT 170: Precalculus (MA) | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Global Awareness (G) OR <br> Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| 4 Complete CHM 113 course(s). |  |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 3 33-46 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C | - CHM 116 must be completed by end of term 3 |
| CHM 116: General Chemistry II (SQ) OR <br> CHM 231: Elementary Organic Chemistry (SQ) AND <br> CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR <br> CHM 233: General Organic Chemistry I AND <br> CHM 237: General Organic Chemistry Laboratory I | 4 | C |  |
| CLAS Science and Society Elective BIO 340: Fundamentals of Genetics | 3-4 | C |  |
| MAT 251: Calculus for Life Sciences (MA) OR <br> Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR <br> Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 | C |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| Complete Mathematics (MA) requirement. |  |  |  |
| 4 Complete CHM 116 course(s). |  |  |  |
| Term hours subtotal: | 14-15 |  |  |
| Term 4 47-62 Credit Hours | Hours | Minimum Grade | Notes |


| BIO 340: Fundamentals of Genetics OR BIO 345: Organic Evolution | 3-4 | C |  |
| :---: | :---: | :---: | :---: |
| BIO 331: Animal Behavior OR <br> BIO 360: Animal Physiology OR <br> BCH 361: Principles of Biochemistry | 3 | C |  |
| CHM 231: Elementary Organic Chemistry (SQ) AND <br> CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR <br> CHM 233: General Organic Chemistry I AND <br> CHM 237: General Organic Chemistry Laboratory I OR <br> CHM 234: General Organic Chemistry II AND <br> CHM 238: General Organic Chemistry Laboratory II | 4 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Term hours subtotal: | 16-17 |  |  |
| Term 5 63-77 Credit Hours | Hours | Minimum Grade | Notes |
| BIO 345: Organic Evolution OR Upper Division Elective | 3-4 | C |  |
| PHY 101: Introduction to Physics (SQ) OR <br> PHY 111: General Physics (SQ) AND <br> PHY 113: General Physics Laboratory (SQ) | 4 | C |  |
| BIO 331: Animal Behavior OR <br> BIO 360: Animal Physiology OR <br> BCH 361: Principles of Biochemistry | 3 | C |  |
| Major Laboratory/ Research Course | 2-4 | C |  |
| Social and Behavioral Sciences (SB) OR <br> Humanities, Fine Arts and Design (HU) OR <br> CHM 234: General Organic Chemistry II AND <br> CHM 238: General Organic Chemistry Laboratory II | 3-4 | C |  |
| Term hours subtotal: | 15-19 |  |  |
| Term 6 78-93 Credit Hours | Hours | Minimum Grade | Notes |
| BIO 331: Animal Behavior OR <br> BIO 360: Animal Physiology OR <br> BCH 361: Principles of Biochemistry | 3 | C |  |
| BIO 436: Sociobiology and Behavioral Ecology OR <br> BIO 461: Comparative Animal Physiology OR <br> BIO 462: Endocrine Physiology OR <br> BIO 467: Neurobiology OR <br> MIC 420: Immunology: Molecular and Cellular Foundations | 3 | C |  |
| PHY 112: General Physics (SQ) AND <br> PHY 114: General Physics Laboratory (SQ) | 4 | C |  |
| Upper Division Elective <br> Upper Division CLAS Science and Society Elective | 3 | C |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 7 94-108 Credit Hours | Hours | Minimum Grade | Notes |
| BIO 351: Developmental Biology OR <br> BIO 370: Vertebrate Zoology OR <br> BIO 385: Comparative Invertebrate Zoology OR <br> BIO 453: Animal Histology OR <br> PSY 426: Neuroanatomy | 3-4 | C |  |
| BIO 436: Sociobiology and Behavioral Ecology OR <br> BIO 461: Comparative Animal Physiology OR <br> BIO 462: Endocrine Physiology OR <br> BIO 467: Neurobiology OR <br> MIC 420: Immunology: Molecular and Cellular Foundations | 3 | C |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 15-16 |  |  |
| Term 8 109-120 Credit Hours | Hours | Minimum Grade | Notes |
| Upper Division Major General Elective Course | 3-4 | C |  |
| Upper Division Major General Elective Course OR Upper Division Elective | 3-4 | C |  |

Upper Division Humanities, Fine Arts and Design (HU)

| Upper Division Elective |  | $3-6$ |
| :---: | :---: | :---: |
|  | Term hours subtotal: | $12-17$ |


| Major Laboratory/Research Courses | Major General Electives Courses |
| :---: | :---: |
| BCH 367: Elementary Biochemistry <br> Laboratory | BIO 312: Bioethics (HU) |
| BIO 342: General Genetics Laboratory | BIO 320: Fundamentals of Ecology |
|  | BIO 353: Cell Biology |
| BIO 352: Laboratory in Vertebrate Developmental Anatomy | BIO 440: Functional Genomics |
| BIO 451: Cell Biotechnology Laboratory | MBB 440: Functional Genomics |
| BIO 453: Animal Histology | BIO 415: Biometry (CS) |
| MBB 343: Genetic Engineering and Society (L) | BIO 386: General Entomology |
| MBB 350: Applied Genetics | BIO 471: Ornithology |
| PLB 350: Applied Genetics | BIO 472: Mammalogy |
| MIC 220: Biology of MicroorganismsAND MIC 206: Microbiology Laboratory (SG) | BIO 474: Herpetology |
|  | BIO 431: Genes, Development, and Evolution |
| MIC 302: Advanced Bacteriology Laboratory (L) | (L) |
|  | BIO 455: Introduction to Comparative Genomics |
| MIC 421: Experimental Immunology |  |
| PLB 308: Plant Physiology | BIO 465: Neurophysiology |
| BIO 495: Undergraduate Research | BIO 494: Advanced Animal Behavior |
| MIC 495: Undergraduate Research | PLB 440: Photobiology |
| MBB 495: Undergraduate Research | BIO 464: Photobiology |
| PLB 495: Undergraduate Research | PSY 470: Psychopharmacology |
| BIO 484: Internship | BIO 494: Advanced Study Practicum, Advanced Study Practicum: Laboratory |
| MIC 484: Internship | Assistance, Advanced Study Practicum: <br> Lecture |
| MBB 484: Internship |  |
| PLB 484: Internship |  |

## Notes:

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Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)


## 2011-2012 Major Map Biological Sciences (Biology \& Society), BS

College of Liberal Arts and Sciences
Campus:Tempe
LABSCSBS

| Term 1 $10-15$ Credit Hours Critical course signified by |  | Hours | Minimum <br> Grade |
| :--- | :--- | :--- | :--- |
| BIO 100: The Living World (SQ) OR <br> BIO 181: General Biology I (SQ) OR <br> BIO 182: General Biology II (SG) | 4 |  | N |


| Term 2 16-32 Credit Hours Critical course signified by ${ }^{\text {- }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C | - CHM 116 must be completed by end of term 3 |
| CHM 113: General Chemistry I (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 170: Precalculus (MA) OR MAT 251: Calculus for Life Sciences (MA) | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| 4 Complete CHM 113 course(s). |  |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 3 33-47 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C |  |
| CHM 116: General Chemistry II (SQ) OR Lower Division Elective | 3-4 | C |  |
| CLAS Science and Society Elective OR BIO 340: Fundamentals of Genetics | 4-3 | C |  |
| MAT 251: Calculus for Life Sciences (MA) OR <br> Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR <br> Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 4 | C |  |
| 4. Complete CHM 116 course(s). |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Complete First-Year Composition requirement. |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 4 48-62 Credit Hours Critical course signified by ${ }^{\text {- }}$ | Hours | Minimum Grade | Notes |
| BIO 340: Fundamentals of Genetics OR BIO 345: Organic Evolution | 3 | C |  |
| Upper Division Biology and Society Elective - Ethics Course | 3 | C |  |

Social and Behavioral Sciences (SB) AND Global Awareness (G) OR
Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR
Social and Behavioral Sciences (SB) AND Historical Awareness (H) OR
Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR
Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR
Humanities, Fine Arts and Design (HU) AND Historical Awareness (H)
Literacy and Critical Inquiry (L)

| Term 5 63-77 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| BIO 311: Biology and Society | 3 | C | - BIO 311 is only taught in the Fall semester |
| BIO 345: Organic Evolution OR Upper Division Elective | 3-4 | C |  |
| Upper Division Biology and Society Elective - Science in Contemporary Society | 3 | C |  |
| Upper Division Major Biological Sciences Elective | 3 | C |  |
| Social and Behavioral Sciences (SB) OR Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Term hours subtotal: | 15-16 |  |  |
| Term 6 78-91 Credit Hours | Hours | Minimum Grade | Notes |
| BIO 314: Research Colloquium in Biology and Society I (L) | 2 | C | - BIO 314 is only taught in the Spring semester |
| Upper Division Biology and Society Elective - History and Philosophy of Science | 3 | C |  |
| Upper Division Major Biological Sciences Elective | 3 | C |  |
| Upper Division Social and Behavioral Sciences (SB) OR Upper Division Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Elective OR CLAS Science and Society Elective | 3 | C |  |
| Term hours subtotal: | 14 |  |  |


| Term 7 92-106 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| BIO 495: Undergraduate Research |  | 3 | C |  |
| Upper Division Major Biological Sciences Elective |  | 3 | C |  |
| Upper Division Major Core Elective Courses |  | 3 | C |  |
| Complete 2 courses: Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 107-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| BIO 414: Research Colloquium in Biology and Society II (L) |  | 1 | C | - BIO 414 is only taught in the Spring semester |
| Complete 2 courses: Elective |  | 6 |  |  |
| Upper Division Elective |  | 7 |  |  |
|  | Term hours subtotal: | 14 |  |  |


| Biology and Society Elective: Science in <br> Contemporary Society Courses |  | Major Biological Sciences Elective Courses |
| :--- | :--- | :--- | :--- |


| BIO 412: Conservation in Practice | BIO 386: General Entomology | Or any additional Biology and Society Elective Course |
| :---: | :---: | :---: |
| BIO 427: Fire (H) | BIO 406: Computer Applications in Biology (CS) |  |
| BIO 494: Ecosystems Services: People \& Nature | BIO 415: Biometry (CS) |  |
| CHM 107: Chemistry and Society (SQ \& G) | BIO 428: Biogeography (L) |  |
| HON 394: History and Evolution of Food | BIO 431: Genes, Development, and Evolution (L) |  |
| HON 494: Genetics and the Law | BIO 436: Sociobiology and Behavioral Ecology |  |
| HON 494: Law, Science, and Technology |  |  |
| HON 494: Uncertainty and Decision Making | BIO 440: Functional Genomics |  |
| HPS 311: Origins, Evolution, and Creation | BIO 446: Principles of Human Genetics (L) |  |
| HPS 394: Science and Society | BIO 455: Introduction to Comparative Genomics |  |
| JMC 445: Science and Medical Writing | BIO 461: Comparative Animal Physiology |  |
| MIC 314: HIV/AIDS: Science, Behavior, and Society | BIO 462: Endocrine Physiology |  |
| MIC 427: Immunoneuropsychology: Research Foundation (L) | BIO 467: Neurobiology |  |
|  | BIO 471: Ornithology |  |
| PLB 302: Plants and Civilization | BIO 472: Mammalogy |  |
| PSY 427: Immunoneuropsychology: Research Foundation | MBB 247: Principles of Molecular and Cellular Biology II |  |
| WST 360: Women as Healers (SB \& G) | MBB 343: Genetic Engineering and Society (L) |  |
| WST 394: Women and International Health |  |  |
|  | MBB 355: Introduction to Computational Molecular Biology (CS) |  |
|  | MBB 440: Functional Genomics |  |
|  | MIC 220: Biology of Microorganisms |  |
|  | MIC 360: Bacterial Physiology |  |
|  | MIC 420: Immunology: Molecular and Cellular Foundations |  |
|  | PLB 300: Comparative Plant Diversity (L or SG) |  |
|  | PLB 306: Plant Anatomy |  |
|  | PLB 308: Plant Physiology |  |
|  | PLB 310: The Flora of Arizona |  |
|  | PLB 407: Plant Fossils and Evolution |  |
|  | PLB 432: Computer Applications in Biology (CS) |  |
|  | PLB 440: Photobiology |  |
|  | PLB 498: Sonoran Desert Field Botany |  |
| Biology and Society Elective: History and Philosopy of Science Courses | Biology and Society Elective: Ethics Courses |  |
| BIO 316: History of Biology: Conflicts and Controversies (H) | BIO 312: Bioethics (HU) |  |
|  | BIO 324: Environmental Ethics (HU) |  |
| BIO 318: History of Medicine (H) | BIO 416: Professional Values in Science (L) |  |
| BIO 344: Origins, Evolution, and Creation | HPS 410: Professional Values in Science (L) |  |
| BIO 394: Science and Society | PHI 310: Environmental Ethics (HU) |  |
| HPS 311: Origins, Evolution, and Creation | PHI 320: Bioethics (HU) |  |
| HPS 313: Probability, Evidence, and Decision |  |  |
| HPS 314: Philosophy of Science (HU) |  |  |
| HPS 322: History of Science (HU \& H) |  |  |
| HPS 323: History of Science (HU \& H) |  |  |

HPS 325: History of Chinese Medicine (HU
$\& H \& G)$
HPS 330: History of Biology: Conflicts and
Controversies
HPS 331: History of Medicine (H)
HPS 336: Exploration and Science (SB \& H)
HPS 394: Science and Society
HST 385: History of Chinese Medicine (HU
\& H \& )
MIC 428: Immunophilosophy
PHI 313: Probability, Evidence, and Decision
PHI 314: Philosophy of Science (HU)
PHI 428: Immunophilosophy

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division.Â Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.Â At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Biological Sciences (Conservation Biology and Ecology),BS

College of Liberal Arts and Sciences
Campus:Tempe
LABSCCBS

| Term 1 0-15 Credit Hours Critical course signified by 9. |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| BIO 100: The Living World (SQ) OR BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) |  | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - CHM 113 must be completed by end of term 2 <br> - If student tests into MAT 106 then BIO 100 is recommended |
| CHM 113: General Chemistry I (SQ) OR Social and Behavioral Sciences (SB) OR Humanities, Fine Arts and Design (HU) |  | 4-3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences |  | 1 |  |  |
| STP 231: Statistics for Life Science (CS) |  | 3 | C |  |
|  | Term hours subtotal: | 15-14 |  |  |


| Term 2 16-32 Credit Hours Critical course signified by ${ }^{\text {- }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C | - CHM 116 must be completed by end of term 3 |
| CHM 113: General Chemistry I (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 170: Precalculus (MA) OR MAT 251: Calculus for Life Sciences (MA) | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| 4 Complete CHM 113 course(s). |  |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 3 33-49 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C |  |
| CHM 116: General Chemistry II (SQ) OR <br> CHM 231: Elementary Organic Chemistry (SQ) AND <br> CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR <br> CHM 233: General Organic Chemistry I AND <br> CHM 237: General Organic Chemistry Laboratory I | 4 | C |  |
| MAT 251: Calculus for Life Sciences (MA) OR <br> Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 | C |  |
| Social and Behavioral Sciences (SB) OR Humanities, Fine Arts and Design (HU) | 3 |  |  |
| CLAS Science and Society Elective OR BIO 340: Fundamentals of Genetics | 3-4 | C |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| 4 Complete CHM 116 course(s). |  |  |  |
| Term hours subtotal: | 17-18 |  |  |
| Minimum |  |  |  |


| Term 4 50-62 Credit Hours Critical course signified by ${ }^{\text {- }}$ | Hours | Grade | Notes |
| :---: | :---: | :---: | :---: |
| BIO 340: Fundamentals of Genetics OR BIO 345: Organic Evolution | 3-4 | C |  |
| CHM 231: Elementary Organic Chemistry (SQ) AND <br> CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR <br> CHM 233: General Organic Chemistry I AND <br> CHM 237: General Organic Chemistry Laboratory I OR <br> CHM 234: General Organic Chemistry II AND <br> CHM 238: General Organic Chemistry Laboratory II | 4 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Social and Behavioral Sciences (SB) AND Global Awareness (G) OR <br> Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR <br> Social and Behavioral Sciences (SB) AND Historical Awareness (H) OR <br> Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR <br> Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR <br> Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Term hours subtotal: | 13-14 |  |  |
| Term 5 63-77 Credit Hours | Hours | Minimum Grade | Notes |
| Complete 2 courses: <br> BIO 320: Fundamentals of Ecology OR <br> BIO 322: Conservation Biology and Ecological Sustainability I OR <br> BIO 323: Conservation Biology and Ecological Sustainability II OR <br> BIO 411: Quantitative Conservation Biology | 6 | C | - By end of term 5 two courses must be complete from BIO 320 , 322,323 , and 411. <br> - By end of term 6 BIO 320, 322, |
| BIO 345: Organic Evolution OR Upper Division Elective | 3 | C | 323 and 411 should be completed. |
| GPH 111: Introduction to Physical Geography (SQ) OR <br> GPH 370: Geographic Information Technologies (CS) OR <br> GLG 101: Introduction to Geology I (Physical) (SQ \& G) AND <br> GLG 103: Introduction to Geology I-Laboratory (SQ) OR <br> PHY 101: Introduction to Physics (SQ) OR <br> PHY 111: General Physics (SQ) AND <br> PHY 113: General Physics Laboratory (SQ) OR <br> PHY 112: General Physics (SQ) AND <br> PHY 114: General Physics Laboratory (SQ) | 3-4 | C |  |
| Elective OR <br> CHM 234: General Organic Chemistry II AND <br> CHM 238: General Organic Chemistry Laboratory II | 3-4 | C |  |
| Term hours subtotal: | 15-17 |  |  |
| Term 6 78-92 Credit Hours | Hours | Minimum Grade | Notes |
| Complete 2 courses: <br> BIO 320: Fundamentals of Ecology OR <br> BIO 322: Conservation Biology and Ecological Sustainability I OR <br> BIO 323: Conservation Biology and Ecological Sustainability II OR <br> BIO 411: Quantitative Conservation Biology | 6 | C | - By end of term 6 BIO 320, 322, 323 and 411 should be completed. |
| BIO 412: Conservation in Practice OR <br> BIO 421: Landscape Ecology OR <br> BIO 423: Population and Community Ecology | 3 | C |  |
| Upper Division Social and Behavioral Sciences (SB) OR Upper Division Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 93-107 Credit Hours | Hours | Minimum Grade | Notes |
| BIO 370: Vertebrate Zoology OR <br> BIO 385: Comparative Invertebrate Zoology OR <br> PLB 300: Comparative Plant Diversity (L or SG) | 3 | C |  |
| BIO 420: Immunology: Molecular and Cellular Foundations OR <br> BIO 424: Dynamic Modeling in Social and Ecological Systems OR <br> BIO 426: Limnology (L) OR <br> BIO 427: Fire (H) OR <br> BIO 494: Soil Ecology OR <br> PLB 420: Plant Ecology: Organisms and Populations | 3-4 | C |  |
| Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Upper Division Elective OR <br> CLAS Science and Society Elective | 3 | C |  |
| Term hours subtotal: | 15-16 |  |  |
| Term 8 108-120 Credit Hours | Hours | Minimum Grade | Notes |


| Biodiversity, Field and Research Course |  | $2-4$ | C |
| :--- | :--- | :---: | :---: |
| Upper Division Elective |  | 8 |  |
|  | Term hours subtotal: | $13-16$ |  |


| Biodiversity, Field and Research Courses |
| :---: |
| ASM 443: Primatology |
| BIO 321: Introductory Ecology Laboratory (L) |
| BIO 325: Oceanography |
| BIO 370: Vertebrate Zoology |
| BIO 385: Comparative Invertebrate Zoology |
| BIO 386: General Entomology |
| BIO 410: Techniques in Wildlife Conservation Biology (L) |
| BIO 471: Ornithology |
| BIO 472: Mammalogy |
| BIO 484: Internship |
| BIO 495: Undergraduate Research |
| GPH 422: Plant Geography |
| MIC 220: Biology of Microorganisms |
| PLB 300: Comparative Plant Diversity (L or SG) |
| PLB 401: Mycology |
| PLB 407: Plant Fossils and Evolution |
| PLB 495: Undergraduate Research |
| PLB 498: Sonoran Desert Field Botany |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Biological Sciences (Genetics, Cell \& Developmental Biology), BS

College of Liberal Arts and Sciences
Campus:Tempe
LABSCGBS

| Term 1 0-15 Credit Hours Critical course signified by |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| BIO 100: The Living World (SQ) OR BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) |  | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - CHM 113 must be completed by end of term 2 <br> - If student tests into MAT 106 then BIO 100 is recommended |
| CHM 113: General Chemistry I (SQ) OR Social and Behavioral Sciences (SB) OR Humanities, Fine Arts and Design (HU) |  | 4-3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences |  | 1 |  |  |
| STP 231: Statistics for Life Science (CS) |  | 3 | C |  |
|  | Term hours subtotal: | 15-14 |  |  |


| Term 2 16-32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C | - CHM 116 must be completed by end of term 3 |
| CHM 113: General Chemistry I (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 251: Calculus for Life Sciences (MA) OR MAT 170: Precalculus (MA) | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Global Awareness (G) OR <br> Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR <br> Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| 4 Complete CHM 113 course(s). |  |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 3 33-46 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C |  |
| CHM 116: General Chemistry II (SQ) OR <br> CHM 231: Elementary Organic Chemistry (SQ) AND <br> CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR <br> CHM 233: General Organic Chemistry I AND <br> CHM 237: General Organic Chemistry Laboratory I | 4 | C |  |
| MAT 251: Calculus for Life Sciences (MA) OR <br> Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR <br> Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 | C |  |
| CLAS Science and Society Elective OR BIO 340: Fundamentals of Genetics | 3-4 | C |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| Complete Mathematics (MA) requirement. |  |  |  |
| 4 Complete CHM 116 course(s). |  |  |  |
| Term hours subtotal: | 14-15 |  |  |
| Term 4 47-63 Credit Hours | Hours | Minimum Grade | Notes |


| BIO 340: Fundamentals of Genetics OR BIO 345: Organic Evolution | 4-3 | C |  |
| :---: | :---: | :---: | :---: |
| BIO 360: Animal Physiology OR <br> BIO 446: Principles of Human Genetics (L) OR <br> MBB 247: Principles of Molecular and Cellular Biology II OR <br> MBB 440: Functional Genomics OR <br> MIC 420: Immunology: Molecular and Cellular Foundations | 3-4 | C |  |
| CHM 231: Elementary Organic Chemistry (SQ) AND <br> CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR <br> CHM 233: General Organic Chemistry I AND <br> CHM 237: General Organic Chemistry Laboratory I OR <br> CHM 234: General Organic Chemistry II AND <br> CHM 238: General Organic Chemistry Laboratory II | 4 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 5 64-79 Credit Hours | Hours | Minimum Grade | Notes |
| Complete 2 courses: <br> BIO 351: Developmental Biology OR <br> BIO 353: Cell Biology OR <br> BCH 361: Principles of Biochemistry | 6 | C | - Complete two courses from BIO 351, BIO 353, and BCH 361 |
| PHY 101: Introduction to Physics (SQ) OR <br> PHY 111: General Physics (SQ) AND <br> PHY 113: General Physics Laboratory (SQ) | 4 | C |  |
| BIO 345: Organic Evolution OR Upper Division Elective | 3 | C |  |
| Social and Behavioral Sciences (SB) OR <br> Humanities, Fine Arts and Design (HU) OR <br> CHM 234: General Organic Chemistry II AND <br> CHM 238: General Organic Chemistry Laboratory II | 3-4 | C |  |
| Term hours subtotal: | 16-17 |  |  |
| Term 6 80-93 Credit Hours | Hours | Minimum Grade | Notes |
| BIO 351: Developmental Biology OR BIO 353: Cell Biology OR BCH 361: Principles of Biochemistry | 3 | C | - Complete remaining course from BIO 351, BIO 353, and BCH |
| PHY 112: General Physics (SQ) AND <br> PHY 114: General Physics Laboratory (SQ) | 4 | C | 361 |
| Upper Division Major Laboratory/Research Elective Course OR Lower Division Major Laboratory/Research Elective Course | 1-4 | C |  |
| Upper Division Social and Behavioral Sciences (SB) OR Upper Division Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Elective OR CLAS Science and Society Elective | 3 | C |  |
| Term hours subtotal: | 14-17 |  |  |
| Term 7 94-108 Credit Hours | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| Upper Division Major General Elective Course | 3 | C |  |
| Upper Division Major Laboratory/Research Elective Course | 3 | C |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 109-120 Credit Hours | Hours | Minimum Grade | Notes |
| BIO 360: Animal Physiology OR <br> BIO 446: Principles of Human Genetics (L) OR <br> MBB 440: Functional Genomics OR <br> MIC 420: Immunology: Molecular and Cellular Foundations | 3 | C | - 4 hours of Laboratory/Research Elective Courses are required among at least two courses |
| Upper Division Major General Elective Course | 3 | C |  |
| Upper Division Elective | 6 |  |  |
| Term hours subtotal: | 12 |  |  |


| Major Laboratory Electives Courses | Major Genral Electives |
| :---: | :---: |
| BCH 367: Elementary Biochemistry <br> Laboratory | BIO 302: Cancer and Heart Disease (L) |
|  | BIO 312: Bioethics (HU) |
| BIO 342: General Genetics Laboratory | BIO 320: Fundamentals of Ecology |
| BIO 352: Laboratory in Vertebrate Developmental Anatomy | BIO 346: The Darwinian Revolution |
| BIO 451: Cell Biotechnology Laboratory | BIO 355: Introduction to Computational |
| BIO 453: Animal Histology | Molecular Biology (CS) |
| MBB 343: Genetic Engineering and Society (L) | MBB 355: Introduction to Computational Molecular Biology (CS) |
| MBB 350: Applied Genetics | BIO 406: Computer Applications in Biology (CS) |
| PLB 350: Applied Genetics | PLB 432: Computer Applications in Biology (CS) |
| MIC 206: Microbiology Laboratory (SG) |  |
| MIC 302: Advanced Bacteriology Laboratory (L) | BIO 415: Biometry (CS) |
|  | BIO 416: Professional Values in Science (L) |
| MIC 421: Experimental Immunology | BIO 431: Genes, Development, and Evolution |
| PLB 308: Plant Physiology | BIO 440: Functional Genomics |
| BIO 495: Undergraduate Research |  |
|  | MBB 440: Functional Genomics |
| MIC 495: Undergraduate Research | BIO 446: Principles of Human Genetics (L) |
| MBB 495: Undergraduate Research | BIO 455: Introduction to Comparative Genomics |
| PLB 495: Undergraduate Research |  |
|  | BIO 462: Endocrine Physiology |
|  | BIO 467: Neurobiology |
|  | HPS 322: History of Science (HU \& H) |
|  | HPS 323: History of Science (HU \& H) |
|  | HPS 330: History of Biology: Conflicts and Controversies |
|  | HPS 331: History of Medicine (H) AND MIC 360: Bacterial Physiology |
|  | MIC 426: Medical Immunology |
|  | MIC 427: Immunoneuropsychology: Research Foundation (L) |
|  | MIC 485: General Virology |
|  | BIO 464: Photobiology |
|  | PLB 440: Photobiology |
|  | BIO 494: Advanced Animal Behavior, Advanced Study Practicum, Advanced Study Practicum: Laboratory Assistance, Advanced Study Practicum: Lecture |
|  | MIC 220: Biology of Microorganisms |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. Â At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. A When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)


## 2011-2012 Major Map Chemistry, BA

College of Liberal Arts and Sciences
Campus:Tempe
LaCHMBA

| Term 1-15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| CHM 111: General Chemistry Laboratory for Majors I AND CHM 117: General Chemistry for Majors I (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Consult an academic advisor for Learning Community, Academic Success Cluster and/or a First Year Seminar |
| 4 MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| LIA 194: Intro to Liberal Arts and Sciences OR CHM 191: Chemistry Topics | 1 |  |  |
| Term hours subtotal: | 15 |  |  |


| Term 2 16-30 Credit Hours Critical course signified by ${ }^{\text {- }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| CHM 112: General Chemistry Laboratory for Majors II AND CHM 118: General Chemistry for Majors II (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Term hours subtotal: | 15 |  |  |
| Term 3 31-44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| CHM 333: Organic Chemistry for Majors I OR CHM 233: General Organic Chemistry I | 3 | C | - Complete the following critical courses by end of term 3: CHM 117 and 111 (or 113), CHM 118 and 112 (or 116), MAT 270, PHY 111. |
| CHM 337: Organic Chemistry Laboratory for Majors I OR CHM 237: General Organic Chemistry Laboratory I | 1 | C |  |
| 4 PHY 111: General Physics (SQ) | 3 | C |  |
| PHY 113: General Physics Laboratory (SQ) | 1 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including <br> American Sign Language IV. | 4 | C |  |
| Elective | 2 |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| (1. Complete CHM 117, CHM 111, CHM 113, CHM 118, CHM 112, CHM 116, MAT 270, PHY 111 course(s). |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 4 45-59 Credit Hours Critical course signified by ${ }^{\text {+ }}$ | Hours | Minimum Grade | Notes |


| PHY 112: General Physics (SQ) | 3 | C |
| :--- | :--- | :--- |
| PHY 114: General Physics Laboratory (SQ) | 1 | Complete remaining critical |
| CHM 334: Organic Chemistry for Majors II OR | 3 | C |
| CHM 234: General Organic Chemistry II |  | C |


| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| :---: | :---: | :---: | :---: |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| 4 Complete CHM 333, CHM 233, CHM 337, CHM 237, PHY 112 course(s). |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 5 60-74 Credit Hours | Hours | Minimum Grade | Notes |
| CHM 325: Analytical Chemistry AND CHM 326: Analytical Chemistry Laboratory | 4 | C |  |
| CHM 341: Elementary Physical Chemistry | 3 | C |  |
| CHM 343: Physical Chemistry Laboratory | 1 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Term hours subtotal: | 15 |  |  |
| Term 6 75-90 Credit Hours | Hours | Minimum Grade | Notes |
| BCH OR CHM Upper Division Elective | 3 | C |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division Elective | 4 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 7 91-105 Credit Hours | Hours | Minimum Grade | Notes |
| CHM 453: Inorganic Chemistry | 3 | C | - CHM 453 is only offered in the Fall semester. |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) | 3 |  |  |
| Complete 3 courses: Upper Division Elective | 9 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours | Hours | Minimum Grade | Notes |
| Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Complete 4 courses: Upper Division Elective | 12 |  |  |
| Term hours subtotal: | 15 |  |  |


#### Abstract

Notes: - All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement. - All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. At At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.


Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

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)

2011-2012 Major Map Chemistry, BS<br>College of Liberal Arts and Sciences<br>Campus:Tempe<br>LACHMBS

| Term 1-15 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| CHM 111: General Chemistry Laboratory for Majors I AND CHM 117: General Chemistry for Majors I (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options |
| 4 MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| LIA 194: Intro to Liberal Arts and Sciences OR CHM 191: Chemistry Topics | 1 |  |  |
| Term hours subtotal: | 15 |  |  |


| Term 2 16-30 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| CHM 112: General Chemistry Laboratory for Majors II AND CHM 118: General Chemistry for Majors II (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C |  |
| 1 MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C |  |
| Term hours subtotal: | 15 |  |  |
| Term 3 31-45 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| CHM 333: Organic Chemistry for Majors I OR CHM 233: General Organic Chemistry I | 3 | C | - Completed the following critical courses by end of term 3: CHM 117 and 111 (or 113), CHM 118 and 112 (or 116), MAT 270, MAT 271 |
| CHM 337: Organic Chemistry Laboratory for Majors I OR CHM 237: General Organic Chemistry Laboratory I | 1 | C |  |
| MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C |  |

PHY 132: University Physics Laboratory II (SQ)
Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR
Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR
Humanities, Fine Arts and (Hesign (HU) AND Historical Awareness (H)

Humanities, Fine Arts and Design (HU) AND Historical Awareness (H)
Complete First-Year Composition requirement.
Complete CHM 117, CHM 111, CHM 113, CHM 118, CHM 112, CHM 116, MAT 270, MAT 271 course(s).

Term hours subtotal:

| Term 4 46-61 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1 CHM 240: Introduction to Physical Chemistry (CS) | 3 | C | - Complete remaining critical courses by end of term 4: CHM 333 (or 233), CHM 337 (or 237). CHM 240. <br> - AZ Community College students should consult with their advisor |
| CHM 334: Organic Chemistry for Majors II OR CHM 234: General Organic Chemistry II | 3 | C |  |
| CHM 338: Organic Chemistry Laboratory for Majors II OR CHM 238: General Organic Chemistry Laboratory II | 1 | C |  |

Elective
Complete CHM 333, CHM 233, CHM 337, CHM 237, CHM 240 course(s).
Term hours subtotal:

| Term 5 62-74 Credit Hours |  |
| :--- | :--- |
| CHM 325: Analytical Chemistry AND |  |
| CHM 326: Analytical Chemistry Laboratory |  |
| CHM 345: Physical Chemistry I |  |
| Humanities, Fine Arts and Design (HU) | Term hours subtotal: |
| Literacy and Critical Inquiry (L) |  |


| Term 6 75-90 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| CHM 327: Instrumental Analysis |  | 3 | C | - CHM 327, 328, 346, 348 and 349 are only offered in the Spring semester |
| CHM 328: Instrumental Analysis Laboratory |  | 2 | C |  |
| CHM 346: Physical Chemistry II |  | 3 | C |  |
| CHM 348: Physical Chemistry Laboratory I (L) AND CHM 349: Physical Chemistry Laboratory II (L) |  | 2 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) |  | 3 |  |  |
| Upper Division Elective |  | 3 |  |  |
|  | Term hours subtotal: | 16 |  |  |
| Term 7 91-105 Credit Hours |  | Hours | Minimum Grade | Notes |
| CHM 453: Inorganic Chemistry |  | 3 | C | - CHM 453 and 460 are only offered in the Fall semester |
| CHM 460: Biological Chemistry |  | 3 | C |  |
| Upper Division CLAS Science and Society Elective |  | 3 | C |  |
| Upper Division Elective |  | 3 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| CHM 452: Inorganic Chemistry Laboratory (L) |  | 1 | C | - CHM 452 is only offered in the Spring semester |
| CHM OR BCH Upper Division Elective |  | 3 | C |  |
| CLAS Science and Society Elective |  | 3 | C |  |
| Elective |  | 2 |  |  |
| Complete 2 courses: Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. $\hat{A}$ At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. Â When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

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)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Chemistry (Environmental Chemistry), BS

College of Liberal Arts and Sciences
Campus:Tempe
LACHMEBS

| Term 1 0-15 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| CHM 111: General Chemistry Laboratory for Majors I AND CHM 117: General Chemistry for Majors I (SQ) OR CHM 113: General Chemistry I (SQ) | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. |
| 4 MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| LIA 194: Intro to Liberal Arts and Sciences OR CHM 191: Chemistry Topics | 1 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 2 16-30 Credit Hours Critical course signified by ${ }^{\text {! }}$ | Hours | Minimum Grade | Notes |
| CHM 112: General Chemistry Laboratory for Majors II AND CHM 118: General Chemistry for Majors II (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C |  |
| 4 MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C |  |
| Term hours subtotal: | 15 |  |  |
| Term 3 31-45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| CHM 333: Organic Chemistry for Majors I OR CHM 233: General Organic Chemistry I | 3 | C | - Complete the following critical courses by the end of term 3: CHM 117 and 111 (or 113), CHM 118 and 112 (OR 116), MAT 270, MAT 271 <br> - AZ Community College students should consult with their advisor for appropriate math course to meet CHM 345 pre-requisite requirement |
| CHM 337: Organic Chemistry Laboratory for Majors I OR CHM 237: Organic Chemistry Laboratory for Majors I | 1 | C |  |
| MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C |  |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| Complete CHM 117, CHM 111, CHM 113, CHM 118, CHM 112, CHM 116, MAT 270, MAT 271 course(s). |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 4 46-60 Credit Hours Critical course signified by ${ }^{\text {4 }}$ | Hours | Minimum Grade | Notes |
| 1 CHM 240: Introduction to Physical Chemistry (CS) | 3 | C | - Complete remaining critical courses by end of term 4: CHM 333 ( or 233), CHM 337 (or 237), CHM 240. |
| CHM 334: Organic Chemistry for Majors II OR CHM 234: Organic Chemistry for Majors II | 3 | C |  |
| CHM 338: Organic Chemistry Laboratory for Majors II OR CHM 238: Organic Chemistry Laboratory for Majors II | 1 | C |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| Elective | 5 |  |  |


| Term 5 61-76 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| CHM 302: Environmental Chemistry |  | 3 | C | - CHM 302, 325, 326, and 345 are only offered in the Fall semester. |
| CHM 325: Analytical Chemistry AND CHM 326: Analytical Chemistry Laboratory |  | 4 | C |  |
| CHM 345: Physical Chemistry I |  | 3 | C |  |
| Humanities, Fine Arts and Design (HU) |  | 3 |  |  |
| Literacy and Critical Inquiry (L) |  | 3 |  |  |
|  | Term hours subtotal: | 16 |  |  |
| Term 6 77-89 Credit Hours |  | Hours | Minimum Grade | Notes |
| BCH 361: Principles of Biochemistry AND <br> BCH 367: Elementary Biochemistry Laboratory |  | 4 | C | - CHM 303, CHM 348, and GLG 321 are only offered in the Spring semester. |
| CHM 303: Environmental Chemistry Laboratory (L) |  | 2 | C |  |
| CHM 348: Physical Chemistry Laboratory I (L) |  | 1 | C |  |
| GLG 321: Mineralogy |  | 3 | C |  |
| Upper Division CLAS Science and Society Elective |  | 3 | C |  |
|  | Term hours subtotal: | 13 |  |  |
| Term 7 90-104 Credit Hours |  | Hours | Minimum Grade | Notes |
| CLAS Science and Society Elective |  | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) |  | 3 |  |  |
| Elective |  | 3 |  |  |
| Complete 2 courses: Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 105-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| CHM 481: Geochemistry |  | 3 | C | - CHM 481 is only offered in the Spring semester. |
| Elective |  | 3 |  |  |
| Complete 3 courses: Upper Division Elective |  | 10 |  |  |
|  | Term hours subtotal: | 16 |  |  |


#### Abstract

Notes: - All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement. - All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.


Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

- 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 designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map

## Communication, BA

College of Liberal Arts and Sciences
Campus:Tempe
LACOMBA

Upper Division Elective 3

Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal: 16

| Term 5 64-78 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| COM 308: Advanced Research Methods in Communication (L) | 3 | C | - Select COM and Related Area courses in conjunction with academic advisor |
| COM Upper Division Elective AND Social and Behavioral Sciences (SB) | 3 | C |  |
| Upper Division Related Area Course | 3 | C |  |
| Upper Division Elective | 3 |  |  |
| Elective | 3 |  |  |
|  | Term hours subtotal: 15 |  |  |
| Term 6 79-94 Credit Hours | Hours | Minimum Grade | Notes |
| COM 4** Elective | 3 | C | - Select COM and Related Area courses in conjunction with academic advisor |
| COM Upper Division Elective | 3 | C |  |
| Upper Division Related Area Course | 3 | C |  |


| Natural Science - Quantitative (SQ) OR | 4 |
| :--- | :---: |
| Natural Science - General (SG) | 3 |

Upper Division Elective 3

| Term 7 95-108 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| COM 407: Advanced Critical Methods in Communication |  | 3 | C | - Select COM and Related Area courses in conjunction with academic advisor |
| COM 4** Elective |  | 3 | C |  |
| Upper Division Related Area Course |  | 3 | C |  |
| Upper Division Elective |  | 3 |  |  |
| Elective |  | 2 |  |  |
|  | Term hours subtotal: | 14 |  |  |
| Term 8 109-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| COM 4** Elective |  | 3 | C | - Select COM and Related Area courses in conjunction with academic advisor |
| Upper Division Elective |  | 3 |  |  |
| Complete 2 courses: Elective |  | 6 |  |  |
|  | Term hours subtotal: | 12 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division.Â Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. $\hat{A}$ At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. Â When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)

| Cumulative GPA: 2.00 minimum | - Literacy and Critical Inquiry (L) | $\bullet$ Global Awareness (G) |
| :--- | :--- | :--- |
| Total hrs at ASU: 30 minimum | - Mathematical Studies (MA) | • Historical Awareness (H) |
| Hrs Resident Credit for | - Computer/Statistics/Quantitative Applications |  |
| Academic Recognition: 56 minimum | (CS) | First-Year Composition |
| Total Community College Hrs: 64 maximum | - Humanities, Fine Arts and Design (HU) |  |
|  | - Social and Behavioral Sciences (SB) |  |
|  | - Natural Science - Quantitative (SQ) |  |
|  | - Natural Science - General (SG) |  |

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map

## Communication, BS

College of Liberal Arts and Sciences
Campus:Online, Tempe
LACOMBS

| Term 1 0-16 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Complete all critical courses by end of semester 4 <br> - Minimum ASU cumulative GPA of 2.50 recommended |
| Mathematics (MA) | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| LIA 194: Intro to Liberal Arts and Sciences | 1 |  |  |
| Elective | 3 |  |  |
| Minimum 2.50 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 16 |  |  |


| Term 2 17-32 Credit Hours Critical course signified by ${ }^{\text {- }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4 COM 100: Introduction to Human Communication (SB) | 3 | C | - Complete all critical courses by end of semester 4 <br> - Minimum ASU cumulative GPA of 2.50 recommended |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Complete 2 courses: Elective | 6 |  |  |
| Minimum 2.50 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 3 33-48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| 4 COM 225: Public Speaking (L) | 3 | C | - Complete all critical courses by end of semester 4 <br> - Minimum ASU cumulative GPA of 2.50 required |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |  |
| Complete 2 courses: Elective | 6 |  |  |
| 1. Minimum 2.50 GPA ASU Cumulative. |  |  |  |
| 4. Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 4 49-63 Credit Hours Critical course signified by ${ }^{\text {4 }}$ | Hours | Minimum Grade | Notes |
| 4 COM 207: Introduction to Communication Inquiry | 3 | C | - Select COM and Related Area courses in conjunction with academic advisor <br> - Complete all critical courses by end of semester 4 <br> - Minimum ASU cumulative GPA of 2.50 required |
| COM Elective | 3 | C |  |
| CLAS Science and Society Elective | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Upper Division Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR <br> Upper Division Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |


| Term 5 64-78 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| COM 308: Advanced Research Methods in Communication (L) |  | 3 | C | - Select COM and Related Area courses in conjunction with academic advisor |
| COM Upper Division Elective AND Upper Division Social and Behavioral Sciences (SB) |  | 3 | C |  |
| Upper Division CLAS Science and Society Elective |  | 3 | C |  |
| Upper Division Related Area Course |  | 3 | C |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 79-93 Credit Hours |  | Hours | Minimum Grade | Notes |
| COM 4** Elective |  | 3 | C | - Select COM and Related Area courses in conjunction with academic advisor |
| COM Upper Division Elective |  | 3 | C |  |
| Upper Division Related Area Course |  | 3 | C |  |
| Upper Division Elective |  | 3 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 94-108 Credit Hours |  | Hours | Minimum Grade | Notes |
| COM 408: Advanced Critical Methods in Communication |  | 3 | C | - Select COM and Related Area courses in conjunction with academic advisor |
| COM 4** Elective |  | 3 | C |  |
| Upper Division Related Area Course |  | 3 | C |  |
| Upper Division Elective |  | 3 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 109-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| COM 4** Elective |  | 3 | C | - Select COM and Related Area courses in conjunction with academic advisor |
| Upper Division Elective |  | 3 |  |  |
| Complete 2 courses: Elective |  | 6 |  |  |
|  | Term hours subtotal: | 12 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Computational Mathematical Sciences, BS

College of Liberal Arts and Sciences
Campus:Tempe
LACMSBS

| Term 1 0-14 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1 MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Minimum grade of C required in all MAT Classes; grade of B or better strongly correlated with timely graduation |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Cultural Diversity in the U.S. (C) OR Historical Awareness (H) | 3 |  |  |
| LIA 194: Intro to Liberal Arts and Sciences OR MAT 191: First-Year Seminar | 1 |  |  |
| Maintain 2.80 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 14 |  |  |




| CHM 116: General Chemistry II (SQ) | ECE 3** Elective | MAT 462: Applied Partial Differential Equations |
| :---: | :---: | :---: |
| CHM 117: General Chemistry for Majors I (SQ) | EEE Upper Division Elective |  |
|  | GLG 305: Dynamic Earth | MAT 475: Differential Equations |
| CHM 118: General Chemistry for Majors II (SQ) | GLG 321: Mineralogy | MAT 476: Partial Differential Equations |
| CHM 231: Elementary Organic Chemistry (SQ) | GLG 362: Geomorphology | STP 420: Introductory Applied Statistics (CS) |
|  | GLG 4** Elective | STP 421: Probability |
| CHM 235: Elementary Organic Chemistry <br> Laboratory (SQ) | IEE Upper Division Elective | STP 425: Stochastic Processes |
| GLG 101: Introduction to Geology I (Physical) (SQ \& G) | MAE Upper Division Elective | STP 427: Mathematical Statistics |
|  | MIC Upper Division Elective | STP 429: Experimental Statistics (CS) |
| GLG 102: Introduction to Geology II (Historical) (SG \& H) | MSE Upper Division Elective |  |
| GLG 103: Introduction to Geology <br> I-Laboratory (SQ) | PHI 413: Advanced Symbolic Logic |  |
| GLG 104: Introduction to Geology II-Laboratory (SG) | PHY Upper Division Elective |  |
|  | PLB Upper Division Elective |  |
| MIC 205: Microbiology (SG) |  |  |
| MIC 206: Microbiology Laboratory (SG) |  |  |
| MIC 220: Biology of Microorganisms |  |  |
| MBB 245: Principles of Molecular and Cellular Biology I (SQ) |  |  |
| PHY 121: University Physics I: Mechanics (SQ) |  |  |
| PHY 122: University Physics Laboratory I (SQ) |  |  |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) |  |  |
| PHY 132: University Physics Laboratory II (SQ) |  |  |
| PHY 150: Physics I (SQ) |  |  |
| PHY 151: Physics II (SQ) |  |  |
| PLB 200: Biology of Plants (SQ) |  |  |
| PLB 201: Biology of Plants Laboratory (SQ) |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. At At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. Â When you complete both courses, all three learning goals must be filled in order to complete the requirement.A Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map

## Earth and Environmental Studies, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAEESBA
$\left.\begin{array}{llll}\text { Term 1 } 10-14 \text { Credit Hours Critical course signified by }\end{array}\right)$

| Term 2 15-32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| GLG 106: Habitable Worlds (SQ) OR <br> GLG 108: Water Planet OR <br> GLG 110: Geologic Disasters and the Environment (SG \& G) AND <br> GLG 111: Geologic Disasters Laboratory (SG) | 4 | C |  |
| 4 CHM/ BIO/ PHY Approved Courses | 4 | C |  |
| MAT 170: Precalculus (MA) OR <br> MAT 210: Brief Calculus (MA) OR <br> MAT 251: Calculus for Life Sciences (MA) | 3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Term hours subtotal: | 18 |  |  |
| Term 3 33-47 Credit Hours Critical course signified by ${ }^{\text {\% }}$ | Hours | Minimum Grade | Notes |

GLG 106: Habitable Worlds (SQ) OR
GLG 108: Water Planet OR
GLG 110: Geologic Disasters and the Environment (SG \& G) AND
4 C
GLG 111: Geologic Disasters Laboratory (SG)
CHM/ BIO/ PHY Approved Courses $\quad 4$
Second Language: Requirement satisfied through the following:

* Completion of a language course at the intermediate level (202 or equivalent), including 4

American Sign Language IV.
Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR 3
Social and Behavioral Sciences (SB) AND Historical Awareness (H)
Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
Term hours subtotal:
15

| Term 4 | $48-60$ Credit Hours | Hours | Minimum <br> Grade |
| :---: | :---: | :---: | :---: |
| GLG 305: Dynamic Earth | 3 | Notes |  |
| GLG 327: Earth's Critical Zone | 3 | C |  |

Second Language: Requirement satisfied through the following:

* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV

| Elective | 3 |  |
| :---: | :---: | :---: |
|  | Term hours subtotal: | 13 |


| Term 5 61-75 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| GLG 325: Oceanography | 3 | C | - Must complete second language requirement by end of term 5 . For most languages, this is 202 or higher. There are some languages, however with a different numbering system. See your advisor for clarification. |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours | Hours | Minimum Grade | Notes |
| Complete 2 courses: GLG Upper Division Elective | 6 | C | - See SES advisor for GLG upper division course list |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours | Hours | Minimum Grade | Notes |
| Complete 2 courses: <br> GLG Upper Division Elective | 6 | C | - See SES advisor for GLG upper division course list |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours | Hours | Minimum Grade | Notes |
| GLG 464: Solving Environmental Problems | 3 | C | - See SES advisor for GLG upper division course list |
| GLG Upper Division Elective | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |

[^0]
## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division.A Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## $1 \times$ Arizona State UNIVERSITY

## 2011-2012 Major Map Earth \& Space Exploration, BS

College of Liberal Arts and Sciences
Campus:Tempe
LASESBS

| Term 1 0-14 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4 SES 100: Introduction to Exploration (CS) | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - LIA194 or College specific equivalent First Year Seminar required of all freshman students. |
| SES 101: Earth, Solar System, and Universe I (SQ) | 3 | C |  |
| SES 103: Earth, Solar System, and Universe Laboratory I | 1 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 170: Precalculus (MA) OR Elective | 3 | C |  |
| LIA 194: Academic Success Seminar or First-Year Seminar | 1 |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-28 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| 1. CHM 114: General Chemistry for Engineers (SQ) | 4 | C |  |
| 4 (1) MAT 265: Calculus for Engineers I (MA) | 3 | C |  |
| SES 102: Earth, Solar System, and Universe II | 3 | C |  |
| SES 104: Earth, Solar System, and Universe Laboratory II | 1 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Term hours subtotal: | 14 |  |  |
| Term 3 29-44 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C |  |
| 4. MAT 266: Calculus for Engineers II (MA) | 3 | C |  |
| SES 210: Engineering Systems and Experimental Design | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Elective | 3 |  |  |

Term hours subtotal:
16

| Term 4 45-60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1. MAT 267: Calculus for Engineers III (MA) | 3 | C |  |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C |  |
| Elective | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 5 61-75 Credit Hours | Hours | Minimum Grade | Notes |


| SES 310: Course not found | 3 | C |  |
| :---: | :---: | :---: | :---: |
| SES OR GLG OR AST Upper Division Elective | 3 | C |  |
| Upper Division SES Branch Course | 3 | C |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours | Hours | Minimum Grade | Notes |
| SES OR GLG OR AST Upper Division Elective | 3 | C |  |
| Upper Division SES Branch Course | 3 | C |  |
| MAT 275: Modern Differential Equations (MA) | 3 | C |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 91-106 Credit Hours | Hours | Minimum Grade | Notes |
| SES 410: Senior Exploration Project I | 3 | C |  |
| Upper Division SES Branch Course | 3 | C |  |
| GLG 400: Earth and Space Exploration Colloquium | 1 | C |  |
| Upper Division Elective | 3 |  |  |
| Complete 2 courses: Elective | 6 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 8 107-120 Credit Hours | Hours | Minimum Grade | Notes |
| SES 411: Senior Exploration Project II | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) | 3 |  |  |
| Complete 3 courses: Upper Division Elective | 8 |  |  |
| Term hours subtotal: | 14 |  |  |

## SES Branch Courses

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. Â At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)


## 4 UNIVERSITY

## 2011-2012 Major Map <br> Earth and Space Exploration (Astrobiology and Biogeosciences), BS

College of Liberal Arts and Sciences
Campus:Tempe
LASESABBS

| Term 1 0-14 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1. SES 100: Introduction to Exploration (CS) | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - LIA194 or College specific equivalent First Year Seminar required of all freshman students. |
| SES 101: Earth, Solar System, and Universe I (SQ) AND SES 103: Earth, Solar System, and Universe Laboratory I | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 170: Precalculus (MA) OR Elective | 3 | C |  |
| LIA 194: Academic Success Seminar or First-Year Seminar | 1 |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-31 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| 4. CHM 113: General Chemistry I (SQ) | 4 | C |  |
| 4 MAT 265: Calculus for Engineers I (MA) | 3 | C |  |
| SES 102: Earth, Solar System, and Universe II AND SES 104: Earth, Solar System, and Universe Laboratory II | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 3 32-45 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| 1 MAT 266: Calculus for Engineers II (MA) | 3 | C |  |
| BIO 181: General Biology I (SQ) | 4 | C |  |
| CHM 116: General Chemistry II (SQ) | 4 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |

Term hours subtotal: 14

| Term 4 46-58 Credit Hours |
| :--- |
| SES 311: Essentials of Astrobiology: Exploration for Life in the Universe |
| MAT 267: Calculus for Engineers III (MA) OR |
| MAT 275: Modern Differential Equations (MA) |
| BIO 182: General Biology II (SG) |
| GLG 321: Course not found |

Social and Behavioral Sciences (SB) AND Historical Awareness (H)

| Literacy and Critical Inquiry (L) | 3 |  |  |
| :---: | :---: | :---: | :---: |
| Upper Division SES Suggested Electives | 3 | C |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 6 75-90 Credit Hours | Hours | Minimum Grade | Notes |
| GLG 481: Geochemistry | 3 | C | - For a list of eligible Science and Society courses, visit the CLAS website: http://clas.asu.edu/scienceandsociety |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C |  |
| PHY 132: University Physics Laboratory II (SQ) | 1 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Upper Division SES Suggested Electives | 3 | C |  |
| CLAS Science and Society Elective | 3 | C |  |
| Term hours subtotal: | 16 |  |  |
| Term 7 91-105 Credit Hours | Hours | Minimum Grade | Notes |
| SES 410: Senior Exploration Project I | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| Upper Division Elective | 3 | C |  |
| Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours | Hours | Minimum Grade | Notes |
| SES 411: Senior Exploration Project II | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) | 3 |  |  |
| Complete 3 courses: Upper Division Elective | 9 |  |  |
| Term hours subtotal: | 15 |  |  |


| SES/GLG/AST Upper Division Elective |
| :--- |
|  |
| Mechanical Engr Design |
| GLG 404: Fundamentals of Planetary |
| Geology |
| GLG 430: Paleontology |
| GLG 435: Sedimentology |
| GLG 460: Astrobiology |
| GLG 461: Geomicrobiology |
| GLG 485: Meteorites and Cosmochemistry |
| GLG 490: Remote Sensing |
| GLG 490: Isotope Geochemistry |
| GLG 490: Field Geochemistry |
| AST 321: Introduction to Planetary and |
| Stellar Astrophysics (SQ) |
| BIO 320: Fundamentals of Ecology |
| BIO 345: Organic Evolution |
| BIO 340: General Genetics |
| In |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.A A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. At At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 4) ARIZONA STATE UNIVERSITY

## 2011-2012 Major Map <br> Earth and Space Exploration (Astrophysics), <br> BS

College of Liberal Arts and Sciences
Campus:Tempe
LASESABS

| Term 1 0-14 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1. MAT 265: Calculus for Engineers I (MA) | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - LIA194 or College specific equivalent First Year Seminar required of all freshman students. |
| 4 SES 100: Introduction to Exploration (CS) | 3 | C |  |
| SES 101: Earth, Solar System, and Universe I (SQ) | 3 | C |  |
| SES 103: Earth, Solar System, and Universe Laboratory I | 1 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| LIA 194: Academic Success Seminar | 1 |  |  |
|  | 14 |  |  |


| Term 2 15-31 Credit Hours Critical course signified by ${ }^{\text {P }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1 MAT 266: Calculus for Engineers II (MA) | 3 | C |  |
| 4 PHY 121: University Physics I: Mechanics (SQ) | 3 | C |  |
| 1 PHY 122: University Physics Laboratory I (SQ) | 1 | C |  |
| SES 102: Earth, Solar System, and Universe II | 3 | C |  |
| SES 104: Earth, Solar System, and Universe Laboratory II | 1 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 3 32-44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| 1. MAT 267: Calculus for Engineers III (MA) | 3 | C |  |
| 1 PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C |  |
| 1. PHY 132: University Physics Laboratory II (SQ) | 1 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Elective | 3 |  |  |
| Complete First-Year Composition requirement. |  |  |  |
| Term hours subtotal: | 13 |  |  |
| Term 4 45-59 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| 1 MAT 275: Modern Differential Equations (MA) | 3 | C | - For a list of eligible Science and Society courses, visit the CLAS website: http://clas.asu.edu/scienceandsociety |
| 4 PHY 241: University Physics III | 3 | C |  |
| PHY 201: Mathematical Methods in Physics I (CS) | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| Elective | 3 | C |  |


| Term 5 60-75 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| PHY 314: Quantum Physics I | 3 | C |  |
| AST 321: Introduction to Planetary and Stellar Astrophysics (SQ) | 3 | C |  |
| GLG 400: Earth and Space Exploration Colloquium | 1 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 6 76-90 Credit Hours | Hours | Minimum Grade | Notes |
| AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ) | 3 | C | Recommended courses for SES upper division elective include: <br> - SES 310 Concepts of Elec and Mech Engr. Des (3) <br> - SES 311 Essentials of Astrobiology (3) <br> - GLG 404 Fundamentals of Planetary Science (3) <br> - SES/AST 490/598 Astr Instr \& Data Analysis (3) |
| Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division Elective | 3 | C |  |
| Upper Division Elective | 3 |  |  |
| Upper Division SES Elective | 3 | C |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours | Hours | Minimum Grade | Notes |
| AST 421: Astrophysics I | 3 | C |  |
| SES 410: Senior Exploration Project I | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) | 3 |  |  |
| Elective | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours | Hours | Minimum Grade | Notes |
| SES 411: Senior Exploration Project II | 3 | C |  |
| AST 422: Astrophysics II | 3 | C |  |
| AST 494: Astrophysics Seminar | 1 | C |  |
| Upper Division Elective | 1 |  |  |
| Elective | 7 |  |  |
| Term hours subtotal: | 15 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. At At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. Â When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

| Major GPA: 2.00 minimum | General Studies Core Requirements: | - Cultural Diversity in the U.S. (C) |
| :--- | :--- | :--- |
| Cumulative GPA: 2.00 minimum | - Literacy and Critical Inquiry (L) | - Global Awareness (G) |
| Total hrs at ASU: 30 minimum | - Mathematical Studies (MA) | • Historical Awareness (H) |
| Hrs Resident Credit for | - Computer/Statistics/Quantitative Applications |  |
| Academic Recognition: 56 minimum | (CS) |  |
| Total Community College Hrs: 64 maximum | - Humanities, Fine Arts and Design (HU) |  |
|  | - Social and Behavioral Sciences (SB) |  |
|  | - Natural Science - Quantitative (SQ) |  |
|  | - Natural Science - General (SG) |  |

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 4) ARIZONA State UNIVERSITY

## 2011-2012 Major Map

## Earth and Space Exploration (Exploration Systems Design), BS

College of Liberal Arts and Sciences
Campus:Tempe
LASESESDBS

| Term 1 $0-14$ Credit Hours Critical course signified by | Hours | Minimum <br> Grade |
| :--- | :--- | :---: |
| MAT 265: Calculus for Engineers I (MA) | 3 | C |
| SES 100: Introduction to Exploration (CS) | 3 | C |
| SES 101: Earth, Solar System, and Universe I (SQ) | 3 | 1 |
| SES 103: Earth, Solar System, and Universe Laboratory I | 3 | C |
| ENG 101 or ENG 102: First-Year Composition OR |  | C |
| ENG 105: Advanced First-Year Composition OR <br> ENG 107 or ENG 108: English for Foreign Students | Term hours subtotal: | 14 |
| LIA 194: Academic Success Seminar |  | C |

- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses
- ASU Math Placement Exam score determines placement in Mathematics course
- LIA194 or College specific equivalent First Year Seminar required of all freshman students.

| Term 2 15-28 Credit Hours Critical course signified by ${ }^{\text {P }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4 MAT 266: Calculus for Engineers II (MA) | 3 | C |  |
| 4 CHM 114: General Chemistry for Engineers (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| SES 102: Earth, Solar System, and Universe II | 3 | C |  |
| SES 104: Earth, Solar System, and Universe Laboratory II | 1 | C |  |
| Term hours subtotal: | 14 |  |  |
| Term 3 29-44 Credit Hours Critical course signified by ${ }^{\text {P }}$ | Hours | Minimum Grade | Notes |
| 4. PHY 121: University Physics I: Mechanics (SQ) | 3 | C |  |
| 4 PHY 122: University Physics Laboratory I (SQ) | 1 | C |  |
| MAT 267: Calculus for Engineers III (MA) | 3 | C |  |
| SES 210: Engineering Systems and Experimental Design | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 |  |  |
| Elective | 3 |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 4 45-60 Credit Hours Critical course signified by ${ }^{\text {! }}$ | Hours | Minimum Grade | Notes |


| MAT 275: Modern Differential Equations (MA) | 3 | C |
| :--- | :---: | :---: |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C |
| PHY 132: University Physics Laboratory II (SQ) | 1 |  |
| SES 310: Course not found | 3 | C |
| CLAS Science and Society Elective | 3 | C |
| Literacy and Critical Inquiry (L) | Term hours subtotal: | 16 |

Term 5 61-76 Credit Hours

| SES 330: Practical Electronics and Instrumentation | 4 | C |  |
| :---: | :---: | :---: | :---: |
| SES OR GLG OR AST Upper Division Elective | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Social and Behavioral Sciences (SB) AND Global Awareness (G) | 3 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 6 77-91 Credit Hours | Hours | Minimum Grade | Notes |
| SES 405: Course not found | 3 | C |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Complete 2 courses: Elective | 6 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 92-106 Credit Hours | Hours | Minimum Grade | Notes |
| SES 410: Senior Exploration Project I | 3 | C |  |
| SES OR GLG OR AST Upper Division Elective | 6 | C |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 107-120 Credit Hours | Hours | Minimum Grade | Notes |
| SES 411: Senior Exploration Project II | 3 | C |  |
| Complete 3 courses: Upper Division Elective | 8 |  |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) | 3 |  |  |
| Term hours subtotal: | 14 |  |  |

SES/GLG/AST Upper Division Elective
SES 394: Concepts of Electrical \&
Mechanical Engr Design
SES 498: Robtics for ESE
SES 498: Ast. Inst. and Data Analysis
AST 321: Introduction to Planetary and
Stellar Astrophysics (SQ)
AST 322: Introduction to Galactic and
Extragalactic Astrophysics (SQ)
SES 311: Essentials of Astrobiology:
Exploration for Life in the Universe
GLG 321: Mineralogy
GLG 424: Petrology
CEE 440: Hydrology
GLG 404: Fundamentals of Planetary
Geology

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. Â At least one of the two courses taken from the list must be upper division.Â Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec
to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum Cumulative GPA: 2.00 minimum Total hrs at ASU: 30 minimum Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 1 ARIZONA State UNIVERSITY

## 2011-2012 Major Map <br> Earth and Space Exploration (Geological Sciences), <br> BS

College of Liberal Arts and Sciences
Campus:Tempe
LASESGSBS

| Term 1 0-14 Credit Hours Critical course signified by ${ }^{\text {\% }}$ | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| :---: | :---: | :---: | :---: |
| MAT 170: Precalculus (MA) OR Elective | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. |
| 1 SES 100: Introduction to Exploration (CS) | 3 | C |  |
| SES 101: Earth, Solar System, and Universe I (SQ) | 3 | C |  |
| SES 103: Earth, Solar System, and Universe Laboratory I | 1 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences | 1 |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-28 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| 1. CHM 113: General Chemistry I (SQ) | 4 | C |  |
| 1 MAT 265: Calculus for Engineers I (MA) | 3 | C |  |
| SES 102: Earth, Solar System, and Universe II | 3 | C |  |
| SES 104: Earth, Solar System, and Universe Laboratory II | 1 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Term hours subtotal: | 14 |  |  |
| Term 3 29-44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| 1. MAT 266: Calculus for Engineers II (MA) | 3 | C | - GLG 101 pre-requisite for GLG$310$ |
| CHM 116: General Chemistry II (SQ) | 4 | C |  |
| GLG 310: Structural Geology | 3 | C |  |
| Elective | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 |  |  |
| Complete First-Year Composition requirement. |  |  |  |

Term hours subtotal: 16

| Term 4 45-57 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1 PHY 121: University Physics I: Mechanics (SQ) | 3 | C |  |
| 4. PHY 122: University Physics Laboratory I (SQ) | 1 | C |  |
| GLG 321: Mineralogy | 3 | C |  |
| MAT 267: Calculus for Engineers III (MA) OR <br> MAT 274: Elementary Differential Equations (MA) OR <br> MAT 275: Modern Differential Equations (MA) | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Global Awareness (G) | 3 |  |  |
| Term hours subtotal: | 13 |  |  |
| Term 5 58-72 Credit Hours | Hours | Minimum Grade | Notes |
| GLG 400: Earth and Space Exploration Colloquium | 1 | C |  |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) | 3 | C |  |



| Term 7 91-105 Credit Hours | Hours | Minimum <br> Grade |  |
| :--- | :--- | :--- | :--- |
| SES 410: Senior Exploration Project I | 3 | C |  |
| Upper Division SES/GLG Branch OR <br> SES OR GLG Upper Division Elective | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR <br> Upper Division Social and Behavioral Sciences (SB) | 3 |  |  |
| Upper Division Elective | Term hours subtotal: | 15 |  |
| Elective |  | 3 |  |
|  | Hours | Minimum <br> Grade |  |
| Term 8 106-120 Credit Hours |  | 3 |  |


| SES 411: Senior Exploration Project II OR | 3 | C |  |
| :--- | :--- | :---: | :--- |
| Upper Division Elective |  | 3 | C |
| Upper Division SES/GLG Branch OR <br> SES OR GLG Upper Division Elective | $5-8$ |  |  |
| Upper Division Elective |  | 3 |  |
| Literacy and Critical Inquiry (L) OR |  | 1 |  |
| Elective | Term hours subtotal: | $15-18$ |  |

- Students will only take SES 411:Senior Exploration Project II if they have not already taken GLG 452: Field Geology II. Do not take both.
- The Literacy Critical Inquiry is only required in term 8 if the student did not complete GLG 452.
- Students must complete 8 hours of Upper Division Elective if they do not take GLG 452.


## SES/GLG Branch Courses

GLG 418: Geophysics
GLG 424: Petrology
GLG 435: Sedimentology
GLG 430: Paleontology
GLG 470: Hydrogeology
GLG 481: Geochemistry
SES 310: Concepts of Electrical \&
Mechanical Engineering Design

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.A A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. $\hat{A}$ At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement.A Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Economics, BS

College of Liberal Arts and Sciences
Campus:Tempe
LAECNBS

| Term 1 $0-14$ Credit Hours | Hours | Minimum <br> Grade |
| :--- | :--- | :---: |
| Mathematics (MA) | $3-4$ | C |
| ENG 101 or ENG 102: First-Year Composition OR | 3 |  |
| ENG 105: Advanced First-Year Composition OR | C |  |
| ENG 107 or ENG 108: English for Foreign Students |  | 1 |
| LIA 194: Intro to Liberal Arts and Sciences |  | 4 |
| Natural Science - Quantitative (SQ) | Term hours subtotal: | $14-15$ |
| Humanities, Fine Arts and Design (HU) |  |  |

- 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 or College specific equivalent First Year Seminar required of all freshman students.

| Term 2-15-30 Credit Hours Critical course signified by |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| MAT 210: Brief Calculus (MA) OR <br> MAT 270: Calculus with Analytic Geometry I (MA) |  | 3-4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) |  | 4 |  |  |
| Cultural Diversity in the U.S. (C) |  | 3 |  |  |
| Historical Awareness (H) |  | 3 |  |  |
|  | Term hours subtotal: | 16-17 |  |  |
| Term 3 31-45 Credit Hours Critical course signified by ${ }^{\text {P }}$ |  | Hours | Minimum Grade | Notes |
| MAT 211: Mathematics for Business Analysis OR MAT 271: Calculus with Analytic Geometry II (MA) |  | 3-4 | C |  |
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) |  | 3 | C |  |
| Humanities, Fine Arts and Design (HU) |  | 3 |  |  |
| Literacy and Critical Inquiry (L) |  | 3 |  |  |
| Elective |  | 3 |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |  |
| Complete Mathematics (MA) requirement. |  |  |  |  |
|  | Term hours subtotal: | 15-16 |  |  |
| Term 4 46-60 Credit Hours Critical course signified by ${ }^{\text {4 }}$ |  | Hours | Minimum Grade | Notes |
| ECN 221: Business Statistics (CS) OR STP 226: Elements of Statistics (CS) |  | 3 | C |  |
| ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) |  | 3 | C |  |
| Upper Division Related Area Course |  | 3 |  |  |
| CLAS Science and Society Elective |  | 3 | C |  |
| Global Awareness (G) |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 5 61-75 Credit Hours |  | Hours | Minimum Grade | Notes |
| ECN 312: Intermediate Microeconomic Theory (SB) |  | 3 | C |  |


MGT Upper Division Elective
MKT Upper Division Elective
PGS 304: Effective Thinking (L)
PHI Upper Division Elective
POS Upper Division Elective
PUP 412: History of the City ((L or HU )\&
H)
PUP 425: Urban Housing Analysis
QBA Elective
SCM Upper Division Elective
SOC 332: The Modern City (SB \& G)
SOC 333: Population (SB \& G)
SOC 341: Modern Social Problems (SB)
SOC 456: Political Sociology
STP Elective

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division.A Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map English (Creative Writing), BA <br> College of Liberal Arts and Sciences <br> Campus:Tempe <br> LAENGCBA

| Term 1 0-14 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences | 1 |  |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-28 Credit Hours | Hours | Minimum Grade | Notes |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - 3.25 GPA in English courses beyond first-year composition |
| Natural Science - Quantitative (SQ) | 4 |  | courses required |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Minimum 3.25 GPA in ENG and ENH. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 3 29-42 Credit Hours Critical course signified by ${ }^{\mathbf{4}}$ | Hours | Minimum Grade | Notes |
| ENG 287: Beginning Creative Writing Workshop in Poetry OR ENG 288: Beginning Creative Writing Workshop in Fiction | 3 | C | - 3.25 in English courses beyond first-year composition courses required |
| 4 ENG 200: Critical Reading and Writing About Literature (L or HU) | 3 | C |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Minimum 3.25 GPA in ENG and ENH. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 4 43-58 Credit Hours Critical course signified by ${ }^{\text {4 }}$ | Hours | Minimum Grade | Notes |
| ENG 287: Beginning Creative Writing Workshop in Poetry OR ENG 288: Beginning Creative Writing Workshop in Fiction | 3 | C | - 3.25 GPA in English courses beyond first-year composition courses required |
| ENG 387: Intermediate Creative Writing Workshop in Poetry OR ENG 388: Intermediate Creative Writing Workshop in Fiction | 3 | C |  |
| ENG 241: Literatures of the United States to 1860 (HU) AND ENG 242: Literatures of the United States, 1860 to Present (HU) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Minimum 3.25 GPA in ENG and ENH. |  |  |  |
| Milestone: Completion of successful portfolio review |  |  |  |
| Term hours subtotal: | 16 |  |  |


| Term 5 59-73 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 241: Literatures of the United States to 1860 (HU) AND <br> ENG 242: Literatures of the United States, 1860 to Present (HU) | 3 | C | - 3.25 GPA in English courses beyond first-year composition courses required |
| ENG OR ENH 3** Elective AND <br> Upper Division Humanities, Fine Arts and Design (HU) | 3 | C |  |
| Upper Division Elective | 6 |  |  |
| Elective | 3 |  |  |
| Minimum 3.25 GPA in ENG and ENH. |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 6 74-88 Credit Hours | Hours | Minimum Grade | Notes |
| ENG 487: Advanced Creative Writing Workshop in Poetry OR ENG 488: Advanced Creative Writing Workshop in Fiction | 3 | B | - 3.25 GPA in English courses beyond first-year composition courses required |
| ENG OR ENH 3** Elective AND <br> Literacy and Critical Inquiry (L) AND Cultural Diversity in the U.S. (C) | 3 | C |  |
| Upper Division Elective AND <br> Upper Division Global Awareness (G) | 3 |  |  |
| Elective | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Minimum 3.25 GPA in ENG and ENH. |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 89-105 Credit Hours | Hours | Minimum Grade | Notes |
| ENG 490: Literary Forms: Theory and Practice in Poetry OR ENG 491: Literary Forms: Theory and Practice in Fiction | 3 | B | - 3.25 GPA in English courses beyond first-year composition courses required |
| ENG OR ENH 4** Elective | 3 | C |  |
| ENG Upper Division Elective OR ENG 484: Internship OR ENG 492: Honors Directed Study | 3 | C |  |
| Upper Division Elective AND <br> Upper Division Historical Awareness (H) | 3 |  |  |
| Complete 2 courses: Elective | 5 |  |  |
| Minimum 3.25 GPA in ENG and ENH. |  |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 8 106-120 Credit Hours | Hours | Minimum Grade | Notes |
| ENG 498: Capstone Fiction, Pro-Seminar OR <br> ENG 498: Capstone Poetry, Pro-Seminar | 3 | B | - 3.25 GPA in English courses beyond first-year composition courses required |
| ENG Upper Division Elective OR ENG 493: Honors Thesis (L) | 3 | C |  |
| ENG OR ENH 4** Elective | 3 | C |  |
| Upper Division Elective | 3 |  |  |
| Elective | 3 |  |  |
| Minimum 3.25 GPA in ENG and ENH. |  |  |  |
| Term hours subtotal: | 15 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.A A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. Â At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses.A When you complete both courses, all three learning goals must be filled in order to complete the requirement.A Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map English (Linguistics), BA

College of Liberal Arts and Sciences
Campus:Tempe
LAENGNBA

| Term 1 0-14 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; <br> * The student must choose course(s) taught in a modern foreign language, which excludes Latin, ancient Greek or ancient Hebrew. A grade of C or better must be earned. <br> AND <br> Global Awareness (G) | 4 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences | 1 |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-31 Credit Hours | Hours | Minimum Grade | Notes |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - 2.0 in English courses beyond first-year composition courses |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; <br> * The student must choose course(s) taught in a modern foreign language, which excludes Latin, ancient Greek or ancient Hebrew. A grade of C or better must be earned. <br> AND <br> Global Awareness (G) | 4 | C | required |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Minimum 2.00 GPA in ENG and ENH. |  |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 3 32-48 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| 1 ENG 200: Critical Reading and Writing About Literature (L or HU) | 3 | C | - 2.0 in English courses beyond first-year composition courses required |
| ENG 213: Introduction to the Study of Language OR <br> SLC 201: Introduction to Linguistics (HU or SB) AND <br> ENG 221: Survey of English Literature (HU) OR <br> ENG 222: Survey of English Literature (HU \& H) OR <br> ENG 241: Literatures of the United States to 1860 (HU) OR <br> ENG 242: Literatures of the United States, 1860 to Present (HU) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including <br> American Sign Language IV; <br> * The student must choose course(s) taught in a modern foreign language, which excludes Latin, ancient Greek or ancient Hebrew. A grade of C or better must be earned. <br> AND <br> Global Awareness (G) | 4 | C |  |
| Natural Science - Quantitative (SQ) AND Natural Science - General (SG) | 4 |  |  |
| Elective | 3 |  |  |
| Minimum 2.00 GPA in ENG and ENH. |  |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 4 49-64 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |

ENG 213: Introduction to the Study of Language OR
SLC 201: Introduction to Linguistics (HU or SB) AND
ENG 221: Survey of English Literature (HU) OR

| ENG 222: Survey of English Literature (HU \& H) OR <br> ENG 241: Literatures of the United States to 1860 (HU) OR <br> ENG 242: Literatures of the United States, 1860 to Present (HU) | 3 | C | - 2.0 in English courses beyond first-year composition courses required |
| :---: | :---: | :---: | :---: |
| ENG 312: English in its Social Setting (L or HU or SB) OR ENG 314: Modern Grammar | 3 | C |  |
| Minimum 2.00 GPA in ENG and ENH. |  |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; <br> * The student must choose course(s) taught in a modern foreign language, which excludes Latin, ancient Greek or ancient Hebrew. A grade of C or better must be earned. <br> AND <br> Global Awareness (G) | 4 | C |  |
| Complete 2 courses: Elective | 6 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 5 65-79 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| ENG 312: English in its Social Setting (L or HU or SB) OR ENG 314: Modern Grammar | 3 | C | - 2.0 in English courses beyond first-year composition courses required <br> - Course taken must be at the 400 level of a modern foreign language in which the class is taught in that language. See your advisor if you have questions. Due to prerequisite restrictions, you must also complete at least two courses at the 300 level or higher. |
| ENG 413: History of English Language (HU) | 3 | C |  |
| ENG OR ENH Upper Division Elective AND <br> Upper Division Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 | C |  |
| Minimum 2.00 GPA in ENG and ENH. |  |  |  |
| Upper Division Second Language: Requirement satisfied through the following: <br> * Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country. | 3 | C+ |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 6 80-94 Credit Hours | Hours | Minimum Grade | Notes |
| ENG 313: Phonology and Morphology | 3 | C | - 2.0 in English courses beyond first-year composition courses required <br> - Course taken must be at the 400 level of a modern foreign language in which the class is taught in that language. See your advisor if you have questions. Due to prerequisite restrictions, you must also complete at least two courses at the 300 level or higher. |
| ENG 414: Studies in Linguistics | 3 | C |  |
| ENG OR ENH Upper Division Elective | 3 | C |  |
| Minimum 2.00 GPA in ENG and ENH. |  |  |  |
| Upper Division Elective | 3 |  |  |
| Upper Division Second Language: Requirement satisfied through the following: <br> * Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country. | 3 | C+ |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 95-109 Credit Hours | Hours | Minimum Grade | Notes |
| ENG 414: Studies in Linguistics | 3 | C | - 2.0 in English courses beyond first-year composition courses required <br> - Course taken must be at the 400 level of a modern foreign language in which the class is taught in that language. See your advisor if you have questions. Due to prerequisite restrictions, you must also complete at least two courses at the 300 level or higher. |
| Upper Division Elective OR <br> ENG 484: Internship OR <br> ENG 492: Honors Directed Study | 3 |  |  |
| Minimum 2.00 GPA in ENG and ENH. |  |  |  |
| Upper Division Elective | 3 |  |  |
| Upper Division Second Language: Requirement satisfied through the following: <br> * Completion of upper division course(s) taught in a foreign language, taken in the United <br> States or the relevant country. | 3 | C+ |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 110-120 Credit Hours | Hours | Minimum Grade | Notes |
| ENG 414: Studies in Linguistics | 3 | C | - 2.0 in English courses beyond first-year composition courses required |
| ENG OR ENH Upper Division Elective OR ENG 493: Honors Thesis (L) | 3 | C |  |
| Minimum 2.00 GPA in ENG and ENH. |  |  |  |
| Upper Division Elective AND <br> Upper Division Historical Awareness (H) | 3 |  |  |
| Elective | 2 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses.Â When you complete both courses, all three learning goals must be filled in order to complete the requirement. A Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)


## General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map English (Literature), BA

College of Liberal Arts and Sciences
Campus:Tempe
LAENGTBA

| Term 1 0-14 Credit Hours | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences | 1 |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-28 Credit Hours | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - 2.0 in English courses beyond first-year composition courses |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  | req |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Minimum 2.00 GPA in ENG and ENH. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 3 29-45 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| 1. ENG 200: Critical Reading and Writing About Literature (L or HU) | 3 | C | - 2.0 in English courses beyond first-year composition courses required. |
| 2** ENG/ENH 200-level literature course AND Humanities, Fine Arts and Design (HU) | 3 | C |  |
| Natural Science - General (SG) OR <br> Natural Science - Quantitative (SQ) | 4 |  |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Minimum 2.00 GPA in ENG and ENH. |  |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 4 46-61 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| 4 Lower Division ENG/ENH course | 3 | C | - 2.0 in English courses beyond first-year composition courses required. |
| Lower Division ENG/ENH Elective course AND Lower Division Humanities, Fine Arts and Design (HU) | 3 | C |  |
| Lower Division ENG/ENH course | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Elective AND <br> Historical Awareness (H) | 3 |  |  |
| Minimum 2.00 GPA in ENG and ENH. |  |  |  |



## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec
to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum Cumulative GPA: 2.00 minimum Total hrs at ASU: 30 minimum Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Family \& Human Development, BS

College of Liberal Arts and Sciences
Campus:Online, Tempe
LAFASBS

| Term 1 0-13 Credit Hours Critical course signified by ${ }^{(1)}$ |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| 4 CDE 232: Human Development (SB) |  | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Complete all critical courses by the end of semester 4 |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences |  | 1 |  |  |
| MAT 142: College Mathematics (MA) |  | 3 | C |  |
| SOC 101: Introductory Sociology (SB) OR Lower Division |  | 3 |  |  |
|  | Term hours subtotal: | 13 |  |  |
| Term 2 14-29 Credit Hours Critical course signified by |  | Hours | Minimum Grade | Notes |
| 4 FAS 101: Personal Growth in Human Relationships (SB) |  | 3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| Natural Science - Quantitative (SQ) |  | 4 |  |  |
| Complete 2 courses: Elective |  | 6 |  |  |
|  | Term hours subtotal: | 16 |  |  |
| Term 3 30-45 Credit Hours Critical course signified by |  | Hours | $\begin{gathered} \text { Minimum } \\ \text { Grade } \end{gathered}$ | Notes |

\(\left.\begin{array}{l|c}\hline FAS 331: Marriage and Family Relationships (SB) \& 3 <br>
\hline \begin{array}{l}STP 220: Conceptual Statistics OR STP 226: Elements of Statistics (CS) OR SOC 390: <br>
Social Statistics I (CS) OR PSY 230: Introduction to Statistics (CS) OR Lower Division <br>

Computer/Statistics/Quantitative Applications (CS)\end{array} \& 3\end{array}\right]\)| C |
| :--- |
| Humanities, Fine Arts and Design (HU) |
| Natural Science - General (SG) OR |
| Natural Science - Quantitative (SQ) |
| Elective |
| Complete Mathematics (MA) requirement. |
| Complete First-Year Composition requirement. |

Term hours subtotal:

| Term 4 46-60 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| FAS 370: Family Ethnic and Cultural Diversity (SB \& C) | 3 | C |  |
| FAS OR CDE Upper Division Elective | 3 | C |  |
| Historical Awareness (H) | 3 |  |  |
| Humanities, Fine Arts and Design (HU) AND Global Awareness (G) | 3 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 5 61-75 Credit Hours | Hours | Minimum Grade | Notes |
| FAS 361: Research Methods (L or SB) | 3 | C |  |


| CLAS Science and Society Elective |  | 3 | C |  |
| :---: | :---: | :---: | :---: | :---: |
| PGS OR SOC Lower Division Elective |  | 3 |  |  |
| Complete 2 courses: Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours |  | Hours | Minimum Grade | Notes |
| FAS OR CDE Upper Division Elective |  | 3 | C |  |
| Upper Division CLAS Science and Society Elective |  | 3 |  |  |
| Literacy and Critical Inquiry (L) |  | 3 |  |  |
| Complete 2 courses: <br> Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours |  | Hours | Minimum Grade | Notes |
| FAS OR CDE Upper Division Elective |  | 3 | C |  |
| Upper Division Elective |  | 3 |  |  |
| Complete 3 courses: Elective |  | 9 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| FAS OR CDE Upper Division Elective |  | 3 | C |  |
| Complete 2 courses: <br> Upper Division Elective |  | 6 |  |  |
| Complete 2 courses: Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |


| FAS Electives | CDE Electives |
| :---: | :---: |
| FAS 264: Gender and Society (SB \& C) | CDE 312: Adolescence (SB) |
| FAS 294: Special Topics | CDE 337: Early Childhood Intervention |
| FAS 301: Introduction to Parenting | CDE 338: Child Development Practicum |
| FAS 324: Work and the Workplace (SB \& H) | CDE 394: Special Topics |
| FAS 332: Human Sexuality (SB) | CDE 430: Infant/Toddler Development in the Family (SB) |
| FAS 360: Black Families in the Diaspora (SB \& C) | CDE 499: Individualized Instruction |
| FAS 390: Supervised Research Experience |  |
| FAS 435: Advanced Marriage and Family Relationships (L or SB) |  |
| FAS 484: Internship |  |
| FAS 492: Honors Directed Study |  |
| FAS 493: Honors Thesis (L) |  |
| FAS 498: Pro-Seminar |  |
| FAS 499: Individualized Instruction |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec
to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum Cumulative GPA: 2.00 minimum Total hrs at ASU: 30 minimum Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Film (Film \& Media Studies), BA

College of Liberal Arts and Sciences
Campus:Online, Tempe
LAFMSBA

| Term 1 0-14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1. FMS 100: Introduction to Film (HU) | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Complete all critical courses by the end of semester 4 <br> - 2.50 cumulative GPA recommended in all critical courses |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| LIA 194: Academic Success Seminar, Intro to Liberal Arts and Sciences, Introduction to Liberal Arts and Sciences Online | 1 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Term hours subtotal: | 14 |  |  |


| Term 2 15-28 Credit Hours Critical course signified by ${ }^{\text {P }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4 FMS 200: Film History ((L or HU ) \& H) | 3 | C | - 2.50 cumulative GPA recommended in all critical courses |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Term hours subtotal: | 14 |  |  |
| Term 3 29-44 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| FMS 110: Introduction to New Media (L or HU) OR <br> FMS 270: Race and Gender in American Film (HU \& C) OR THP 261: Introduction to Screenwriting | 3 | C | - 2.50 cumulative GPA recommended in all critical courses |
| FMP 201: Film: The Creative Process I (HU) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Social and Behavioral Sciences (SB) | 6 |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 4 45-60 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| Complete 2 courses: <br> FMS 110: Introduction to New Media (L or HU) OR FMS 270: Race and Gender in American Film (HU \& C) OR THP 261: Introduction to Screenwriting | 6 | C | - 2.50 cumulative GPA recommended in all critical courses |
| FMS 300: Television and Cultural Studies (L or HU) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Term hours subtotal: 16 Academic Catalog Archive 2011-2012 1264 |  |  |  |


| Term 5 61-75 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| Complete 2 courses: <br> Upper Division FMS Area of Emphasis |  | 6 | C | - Complete second language requirement |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) |  | 4 |  |  |
| Upper Division Elective |  | 3 |  |  |
| Elective |  | 2 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours |  | Hours | Minimum Grade | Notes |
| Upper Division Area of Emphasis AND <br> Upper Division Humanities, Fine Arts and Design (HU) |  | 3 | C |  |
| Complete 2 courses: <br> Upper Division FMS Area of Emphasis |  | 6 | C |  |
| Complete 2 courses: <br> Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours |  | Hours | Minimum Grade | Notes |
| FMS 490: Capstone Seminar (HU) |  | 3 | C |  |
| Upper Division FMS Area of Emphasis |  | 3 | C |  |
| Complete 2 courses: Upper Division Elective |  | 6 |  |  |
| Global Awareness (G) |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| Upper Division FMS Area of Emphasis |  | 3 | C |  |
| Upper Division Elective |  | 3 |  |  |
| Complete 3 courses: Elective |  | 9 |  |  |
|  | Term hours subtotal: | 15 |  |  |

- A comprehensive list of Film and Media Studies online courses and the semesters in which they will be offered can be found on our website (film.asu.edu/major).

| Media \& Society Emphasis | Styles \& Genres Emphasis | Media Industries Emphasis |
| :---: | :---: | :---: |
| FMS 300: Television and Cultural Studies (L or HU ) | FMS 340: Contemporary American Film and Popular Culture | FMS 300: Television and Cultural Studies (L or HU ) |
| FMS 312: Film, Media, and Politics Today | FMS 350: Virtual Reality in Film and Media | FMS 302: U.S. Media Now |
| FMS 313: Anti-Semitism in the Media | rging Digital Media (L) | FMS 351. Emerging Dig |
| FMS 345: Asian Pacific Americans and Film ( $\mathrm{HU} \& \mathrm{C} \& \mathrm{H}$ ) | FMS 354: Critical Studies in Animation | FMS 394: Canadian Popular Culture, Fan Cultures and Popular Media, Mobile Media Entertainment |
| FMS 352: Chicana/o Film (C) | FMS 370: Signs of Aliens: Semiotics of Film and Popular Culture (HU) |  |
| FMS 376: Virgin Mary in History, Film, and Culture (L or HU) | FMS 377: Baseball, Film, and American Dreams | FMS 440: Los Angeles: Movies and Culture ( $\mathrm{HU} \& \mathrm{C}$ ) |
| FMS 394: American Jews in U.S.Politics and Media, Canadian Popular Culture | FMS 394: American Directors, Chinese Cinema and Civilization: Kung Fu Films, Films of Coppola, History of Anime, Mobile Media Entertainment, Music Video Theory, Music Video and Its Siblings, Music Videos | FMS 450: Technology, Culture, and Media (L or HU ) |
| FMS 450: Technology, Culture, and Media (L or HU ) |  | FMS 480: Globalization, Technology, and Culture (HU \& G) |
|  | FMS 440: Los Angeles: Movies and Culture ( $\mathrm{HU} \& \mathrm{C}$ ) | FMS 481: Entertainment Technologies |
|  |  | FMS 482: Entertainment Industries |
| FMS 462: Religion and Film | FMS 441: Global Cinema (HU \& G) | FMS 483: Techno-Entertainment Convergences |
| FMS 465: Chicana/o and Latina/o History on Film (HU \& C) | FMS 461: Film Theory and Criticism (HU) |  |


| FMS 468: Crime and Violence in American Film (HU) | FMS 464: Latina/o Literature ((L or HU) \& C) | FMS 494: Television Studies: Reality TV Rituals |
| :---: | :---: | :---: |
| FMS 470: Race, Sex, and Identity Online | FMS 486: Holocaust on Film | FMS 499: EnterTech Course |
| FMS 471: Latinos In Hollywood | FMS 494: Artists on Film, Brazilian |  |
| FMS 494: Artists on Film, Cinema and Justice, Identity and World Film | Experimental Narrative, Italian Cinema, Latin American Documentary Film, Studies in |  |
| FMS 487: Religion and Film |  |  |
| FMS 499: EnterTech Course |  |  |
| WSH 470: Gender and Popular Culture (HU \& C) |  |  |
| COM 323: Communication Approaches to Popular Culture (C) |  |  |
| MCO 473: Sex, Love, and Romance in the Mass Media (SB) |  |  |
| Screenwriting Emphasis |  |  |
| FMS 302: U.S. Media Now |  |  |
| FMS 309: Intermediate Screenwriting |  |  |
| FMS 409: Advanced Screenwriting |  |  |
| FMS 494: Story Analysis for Film and TV |  |  |
| FMS 340: Contemporary American Film and Popular Culture |  |  |
| FMS 494: Screenwriting Workshop |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. Â At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. Â At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.
- Online and On Campus students may substitute THP 261 (Introduction to Screenwriting) with the online course FMS 209 (Screenwriting Fundamentals).
- There is room in this Major Map to add a concurrent degree, a minor, a certificate or an internship.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 4, ARIZONA State UNIVERSITY

## 2011-2012 Major Map French, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAFREBA

| Term 1 0-15 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| 1. FRE 111: Fundamentals of French |  | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - FRE 111: Fundamentals of French is equivalent to FRE 101: Elementary French and FRE 102: Elementary French |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| MAT 142: College Mathematics (MA) |  | 3 | C |  |
| Social and Behavioral Sciences (SB) |  | 3 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |  |
| SLC 294: Language Exploration |  | 2 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 2 16-31 Credit Hours Critical course signified by ${ }^{\text {\% }}$ |  | Hours | Minimum Grade | Notes |
| 4 FRE 201: Intermediate French I (G) |  | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| Computer/Statistics/Quantitative Applications (CS) |  | 3 |  |  |
| Social and Behavioral Sciences (SB) |  | 3 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 16 |  |  |
| Term 3 32-45 Credit Hours Critical course signified by ${ }^{\text {a }}$ |  | Hours | Minimum Grade | Notes |


| 4 FRE 202: Intermediate French II (G) | 4 | C |  |
| :---: | :---: | :---: | :---: |
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Cultural Diversity in the U.S. (C) | 3 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |
| Complete First-Year Composition requirement. |  |  |  |
| Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 4 46-61 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |


| 1 FRE 205: Readings in French Literature (G) | 3 | C |
| :---: | :---: | :---: |
| 4 FRE 311: French Conversation (G) | 3 | C |
| 4 FRE 312: French Composition (G) | 3 | C |
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory | 3 | C |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |

## Minimum

| Term 5 62-76 Credit Hours |  | Hours | Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| FRE 321: French Literature ((L or HU )\& H) |  | 3 | C | - Minimum grade of C in all FRE, SLC and French Related Fields courses <br> - Enroll in Study Abroad Program credits or listed courses |
| FRE 3** Elective OR <br> FRE 4** Elective |  | 3 | C |  |
| Related Area Course |  | 3 | C |  |
| Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 77-91 Credit Hours |  | Hours | Minimum Grade | Notes |
| FRE 322: French Literature (L or HU) |  | 3 | C | - Minimum grade of C in all FRE, SLC and French Related Fields courses <br> - Enroll in Study Abroad Program credits or listed courses |
| FRE 3** Elective OR <br> FRE 4** Elective |  | 3 | C |  |
| Related Area Course |  | 3 | C |  |
| Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 92-106 Credit Hours |  | Hours | Minimum Grade | Notes |
| FRE 4** Elective AND <br> Upper Division Humanities, Fine Arts and Design (HU) |  | 3 | C | - Minimum grade of C in all FRE, SLC and French Related Fields courses <br> - Enroll in Study Abroad Program credits or listed courses |
| FRE 4** Elective |  | 3 | C |  |
| Upper Division Elective |  | 9 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 107-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| FRE 4** Elective AND <br> Upper Division Humanities, Fine Arts and Design (HU) |  | 3 | C | - Minimum grade of C in all FRE, SLC and French Related Fields courses <br> - Enroll in Study Abroad Program credits or listed courses |
| FRE 4** Elective |  | 3 | C |  |
| SLC 4** Elective OR SLC 498: Pro-Seminar |  | 3 | C |  |
| Complete 2 courses: <br> Upper Division Elective |  | 3 |  |  |
| Elective |  | 2 |  |  |
|  | Term hours subtotal: | 14 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. At At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.
- Degree offerings in the School of International Letters \& Cultures are flexible liberal arts majors. Students must bear in mind that the credits toward the major and minor can only be accumulated after completion of preparatory language courses. These preparatory courses are not major requirements and do not count toward the hours the student needs to complete degree requirements. Demonstrated proficiency at the intermediate level is required for enrollment in major requirement courses. Students are strongly encouraged to contact an academic advisor regarding clarifications on course applicability.

Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)


## General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

## 2011-2012 Major Map <br> Geography, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAGCUBA

| Term 1 0-14 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| LIA 194: Academic Success Seminar or First-Year Seminar | 1 |  |  |
| Historical Awareness (H) AND Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4-5 | C |  |
| Term hours subtotal: | 14-15 |  |  |
| Term 2 15-30 Credit Hours Critical course signified by 9 | Hours | Minimum Grade | Notes |
| GCU 102: Introduction to Human Geography (SB \& G) OR GCU 121: World Geography (SB \& G) OR GPH 111: Introduction to Physical Geography (SQ) | 3-4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4-5 | C |  |
| Elective | 3 |  |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 |  |  |
| Term hours subtotal: | 16-18 |  |  |
| Term 3 31-45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| GCU 102: Introduction to Human Geography (SB \& G) OR GCU 121: World Geography (SB \& G) OR GPH 111: Introduction to Physical Geography (SQ) | 4-3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division Social and Behavioral Sciences (SB) OR Upper Division Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Elective | 1 |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 15-14 |  |  |
| Term 4 46-60 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| GCU 102: Introduction to Human Geography (SB \& G) OR GCU 121: World Geography (SB \& G) OR GPH 111: Introduction to Physical Geography (SQ) | 4-3 | C |  |
| 4. Upper Division Regional Course | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including <br> American Sign Language IV. | 4-5 | C |  |
| Natural Science - General (SG) OR <br> Natural Science - Quantitative (SQ) | 4 |  |  |
| Term hours subtotal: 15 <br> Academic Catalog Archive 2011-2012 1270 |  |  |  |



GCU 441: Economic Geography (SB)
GCU 442: Geographical Analysis of
Transportation (SB)
GCU 444: Geographic Studies in Urban
Transportation (SB)
GCU 474: Public Land Policy (SB)
GPH 210: Society and Environment (G)
GPH 314: Global Change (HU \& G)
GPH 381: Geography of Natural Resources (G)

GPH 405: Energy and Environment

GCU 424: Geography of Mexico and Middle America (SB \& G)

GCU 425: Geography of the Mexican American Borderland ((L or SB) \& G)

GCU 426: Geography of Russia and Surroundings (SB \& G)

GCU 432: Geography of China (SB \& G)
GCU 433: Geography of Southeast Asia
GPH 433: Alpine and Arctic Environments (G)

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)


## General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 1 Y ARIZONA STATE UNIVERSITY

## 2011-2012 Major Map <br> Geography, BS

College of Liberal Arts and Sciences
Campus:Tempe
LAGCUBS

| Term 1 0-13 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. |
| LIA 194: Intro to Liberal Arts and Sciences | 1 |  |  |
| Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Elective | 3 |  |  |
| MAT 170: Precalculus (MA) | 3 | C |  |
| Term hours subtotal: | 13 |  |  |
| Term 2 14-29 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| GCU 102: Introduction to Human Geography (SB \& G) OR GCU 121: World Geography (SB \& G) OR GPH 111: Introduction to Physical Geography (SQ) | 4-3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 |  |  |
| Complete 2 courses: Elective | 6 |  |  |
| Term hours subtotal: | 16-15 |  |  |
| Term 3 30-45 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| GCU 102: Introduction to Human Geography (SB \& G) OR GCU 121: World Geography (SB \& G) OR GPH 111: Introduction to Physical Geography (SQ) | 4-3 | C |  |
| CLAS Science and Society Elective | 3 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Complete 2 courses: Elective | 6 |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |

$\left.\begin{array}{l|c|ccc}\hline & \text { Term hours subtotal: } & 16-15 & \\ \hline \text { Term 4 } 46-60 \text { Credit Hours Critical course signified by }\end{array}\right)$

| Upper Division Technique Course |  | 3 | C |  |
| :---: | :---: | :---: | :---: | :---: |
| Upper Division CLAS Science and Society Elective |  | 3 | C |  |
| Complete 2 courses: Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours |  | Hours | Minimum Grade | Notes |
| Upper Division Topical Course |  | 3 | C |  |
| GCU OR GPH OR PUP Upper Division Elective |  | 3 | C |  |
| Complete 2 courses: Upper Division Elective |  | 6 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ |  | Hours | Minimum Grade | Notes |
| GCU 495: Quantitative Methods in Geography (CS) |  | 3 | C |  |
| GCU Upper Division Elective AND Upper Division Social and Behavioral Sciences (SB) |  | 3 | C |  |
| Upper Division Technique Course |  | 3 | C |  |
| Upper Division Elective |  | 3 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours Critical course signified by ${ }^{\text {d }}$ |  | Hours | Minimum Grade | Notes |
| GCU 496: Geographic Research Methods (L) |  | 3 | C |  |
| GCU OR GPH OR PUP Upper Division Elective |  | 3 | C |  |
| Upper Division Topical Course |  | 3 | C |  |
| Complete 2 courses: Elective |  | 6 |  |  |
| Term hours subtotal: |  | 15 |  |  |
| Technique Courses | Topical Courses |  |  |  |
| GPH 371: Introduction to Cartography and Georepresentation (CS) | GPH 210: Society and Environment (G) |  |  |  |
| GPH 372: Air Photo Interpretation | GPH 211: Landform Processes (SQ) |  |  |  |
| GPH 373: Geographic Information Science I (CS) | GPH 212: Introduction to Meteorology (SQ) |  |  |  |
|  | GPH 213: Introduction to Climatology (SG) |  |  |  |
| GPH 471: Geographics: Interactive and Animated Cartography and Geovisualization (CS) | GPH 314: Global Change (HU \& G) |  |  |  |
|  | GPH 381: Geography of Natural Resources (G) |  |  |  |
| GPH 473: Geographic Information Science II (CS) | GPH 405: Energy and Environment |  |  |  |
| GPH 483: Geographic Information Analysis | GPH 414: Climate Change (G) |  |  |  |
| GCU 442: Geographical Analysis of Transportation (SB) | GPH 418: Landforms of the Western United States (L) |  |  |  |
| GCU 444: Geographic Studies in Urban Transportation (SB) | GPH 422: Plant Geography |  |  |  |
|  | GPH 433: Alpine and Arctic Environments (G) |  |  |  |
|  | GPH 481: Environmental Geography |  |  |  |
|  | GCU 141: Introduction to Economic Geography (SB \& G) |  |  |  |
|  | GCU 350: The Geography of World Crises (SB \& G) |  |  |  |
|  | GCU 351: Population Geography (SB \& G) |  |  |  |
|  | GCU 361: Urban Geography (SB) |  |  |  |

GCU 364: Energy in the Global Arena (SB \&
G)
GCU 414: Teaching Geography Standards
GCU 441: Economic Geography (SB)
GCU 474: Public Land Policy (SB)

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of $C$ or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.A A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. Â At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. A When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)


## General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map <br> Geography (Meteorology-Climatology), BS

College of Liberal Arts and Sciences
Campus:Tempe
LAGCUMBS

| Term 1 0-13 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. |
| MAT 170: Precalculus (MA) OR Elective | 3 |  |  |
| LIA 194: Intro to Liberal Arts and Sciences | 1 |  |  |
| Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 13 |  |  |


| Term 2 14-30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1 . MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C |  |
| 4 GPH 111: Introduction to Physical Geography (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 3 31-45 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| 4. MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C |  |
| PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) | 4 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Elective | 4 |  |  |


| Term 4 46-60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1 MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C |  |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) | 4 | C |  |
| CLAS Science and Society Elective | 3 | C |  |
| Elective | 4 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 5 61-76 Credit Hours | Hours | Minimum Grade | Notes |


| GCU 102: Introduction to Human Geography (SB \& G) | 3 |
| :--- | :---: |
| GPH 409: Synoptic Meteorology I | 4 |
| GPH 370: Geographic Information Technologies (CS) | 3 |
| Upper Division CLAS Science and Society Elective | 3 |
| Elective | 3 |


| Term 6 77-90 Credit Hours |  | Hours | Minimum <br> Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| GPH 410: Synoptic Meteorology II |  | 4 | C |  |
| GPH 412: Physical Meteorology |  | 3 | C |  |
| GCU 121: World Geography (SB \& G) |  | 4 | C |  |
| Upper Division Technique Course |  | 3 | C |  |
|  | Term hours subtotal: | 14 |  |  |
| Term 7 91-105 Credit Hours |  | Hours | Minimum Grade | Notes |
| GPH 474: Dynamic Meteorology I |  | 3 | C |  |
| GCU 495: Quantitative Methods in Geography (CS) |  | 3 | C |  |
| Complete 2 courses: Upper Division Elective |  | 6 |  |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| GPH 475: Dynamic Meteorology II |  | 3 | C |  |
| GCU 496: Geographic Research Methods (L) |  | 3 | C |  |
| Complete 2 courses: <br> Upper Division Elective |  | 6 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |

## Technique Course

GPH 371: Introduction to Cartography and Georepresentation (CS)

GPH 372: Air Photo Interpretation
GPH 373: Geographic Information Science I
(CS)
GPH 471: Geographics: Interactive and
Animated Cartography and Geovisualization
(CS)
GPH 473: Geographic Information Science II (CS)

GPH 483: Geographic Information Analysis
GCU 442: Geographical Analysis of Transportation (SB)

GCU 444: Geographic Studies in Urban Transportation (SB)

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

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)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map <br> Geography (Urban Studies), BS

College of Liberal Arts and Sciences
Campus:Tempe
LAGCUUBS

| Term 1 0-13 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. |
| MAT 170: Precalculus (MA) | 3 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences | 1 |  |  |
| Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 13 |  |  |
| Term 2 14-29 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| GCU 102: Introduction to Human Geography (SB \& G) AND GCU 121: World Geography (SB \& G) AND GPH 111: Introduction to Physical Geography (SQ) | 4-3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 |  |  |
| Complete 2 courses: Elective | 6 |  |  |
| Term hours subtotal: | 16-15 |  |  |
| Term 3 30-45 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| GCU 102: Introduction to Human Geography (SB \& G) AND GCU 121: World Geography (SB \& G) AND GPH 111: Introduction to Physical Geography (SQ) | 4-3 | C |  |
| CLAS Science and Society Elective | 3 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Complete 2 courses: Elective | 6 |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |

Term hours subtotal: 16-15
$\left.\begin{array}{l|lll}\text { Term } 4 & \text { 46-61 Credit Hours Critical course signified by }\end{array}\right)$

Urban Topical Courses
GCU 141: Introduction to Economic
Geography (SB \& G)
GCU 351: Population Geography (SB \& G)
GCU 357: Social Geography (SB)
GCU 359: Cities of the World I (SB \& G \&
H)
GCU 360: Cities of the World II (SB \& G)
GCU 364: Energy in the Global Arena (SB \&
G)
GCU 441: Economic Geography (SB)
GCU 442: Geographical Analysis of
Transportation (SB)
GCU 444: Geographic Studies in Urban
Transportation (SB)
Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has
the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the
202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language
selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam.
The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.A. A A list of
all approved courses, may be found at http://clas.asu.edu/scienceandsociety.A. At least one of the two courses taken from the list must be upper division.A Science and
society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec
to fill a major, minor or related fields requirement.Â At the far right side of the list, you will see which of the three science and society learning goals are filled by
individual courses.A When you complete both courses, all three learning goals must be filled in order to complete the requirement.A Finally, a grade of $C$ or better must
be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 4) ARIZONA State UNIVERSITY

## 2011-2012 Major Map <br> German, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAGERBA


| Term 2 15-30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4 GER 201: Intermediate German (G) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Historical Awareness (H) | 3 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 3 31-44 Credit Hours Critical course signified by 9 | Hours | Minimum Grade | Notes |
| 1 GER 202: Intermediate German (G) | 4 | C |  |
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory | 3 | C |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |  |
| Cultural Diversity in the U.S. (C) | 3 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |
| Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 4 45-60 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| 1. GER 311: German Conversation (G) AND GER 313: German Composition (G) | 6 | C |  |
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory | 3 | C |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 5 61-75 Credit Hours | Hours | Minimum Grade | Notes |


| GER 411: Advanced Grammar and Conversation (G) |  | 3 | C | - Minimum grade of C in all GER SLC and German Related Fields courses <br> - Enroll in Study Abroad Program credits or listed courses |
| :---: | :---: | :---: | :---: | :---: |
| GER 422: German Literature (L or HU) |  | 3 | C |  |
| Complete 3 courses: Elective |  | 9 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours |  | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| GER 412: Advanced Grammar and Composition (G) |  | 3 | C | - Minimum grade of C in all GER SLC and German Related Fields courses <br> - Enroll in Study Abroad Program credits or listed courses |
| GER 421: German Literature (HU) |  | 3 | C |  |
| Related Area Course |  | 3 | C |  |
| Humanities, Fine Arts and Design (HU) |  | 3 |  |  |
| Upper Division Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours |  | Hours | Minimum Grade | Notes |
| GER 4** Elective |  | 3 | C | - Minimum grade of C in all GER SLC and German Related Fields courses <br> - Enroll in Study Abroad Program credits or listed courses |
| Related Area Course |  | 3 | C |  |
| Complete 2 courses: <br> Upper Division Elective |  | 6 |  |  |
| Humanities, Fine Arts and Design (HU) OR Social and Behavioral Sciences (SB) |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| GER 4** Elective |  | 3 | C | - Minimum grade of C in all GER SLC and German Related Field courses <br> - Enroll in Study Abroad Program credits or listed courses |
| SLC 4** Elective OR <br> SLC 498: Pro-Seminar |  | 3 | C |  |
| Complete 3 courses: <br> Upper Division Elective |  | 9 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Related Area Course |  |  |  |  |
| ARB Elective |  |  |  |  |
| BCS Elective |  |  |  |  |
| CHI Elective |  |  |  |  |
| FRE Elective |  |  |  |  |
| GRK Elective |  |  |  |  |
| HEB Elective |  |  |  |  |
| HIN Elective |  |  |  |  |
| IED Elective |  |  |  |  |
| IND Elective |  |  |  |  |
| ITA Elective |  |  |  |  |
| JPN Elective |  |  |  |  |
| LAT Elective |  |  |  |  |
| MAK Elective |  |  |  |  |
| POR Elective |  |  |  |  |
| RUS Elective |  |  |  |  |
| SLC Elective |  |  |  |  |
| SPA Elective |  |  |  |  |
| THA Elective |  |  |  |  |
| TTR Elective |  |  |  |  |

## VTN Elective

APH 300: World Architecture I/Western Cultures (HU \& H \& G)

APH 313: History of Architecture I ((L or HU) \& G \& H)

APH 314: History of Architecture II ((L or $\mathrm{HU}) \& \mathrm{G} \& \mathrm{H})$

APH 414: History of the City $((\mathrm{L}$ or HU $) \&$ H)

APH 446: 20th-Century Architecture I (HU)
APH 447: 20th-Century Architecture II (HU)
ARS 102: Art from Renaissance to Present ( $\mathrm{HU} \& \mathrm{H}$ )

ARS 412: Early Medieval Art (HU)
ARS 414: Romanesque Art (HU \& H)
ARS 416: Gothic Art (HU \& H)
ARS 417: Late Gothic Art in Central Europe
ARS 418: German Renaissance and Reformation Art (HU)

ARS 426: Art of the 17th Century in Northern Europe (HU)

ARS 428: Art of the 18th Century (HU \& H)
ARS 432: 19th-Century French Art and Culture (HU \& H)

ARS 434: Art and Visual Culture of 19th Century (HU)

ARS 436: The Artist, War, and Revolution (Versailles to Vietnam) (HU)

ARS 438: Art of the 20th Century I (HU \& H)
ARS 439: Art of the 20th Century II (HU \& H)

ARS 458: Critical Theories in the Visual Arts (HU)

ARS 485: Women in the Visual Arts (L)
ASB 400: Cultural Factors in International Business (G)

ASB 480: Principles of Linguistics (SB)
ASB 481: Language and Culture (SB)
ASB 483: Sociolinguistics and the
Ethnography of Communication (SB)
COM 263: Elements of Intercultural
Communication (SB \& C \& G)
COM 371: Language, Culture, and Communication (SB \& C \& G)

COM 446: Performance of Literature Written by Women ((L or HU) \& C)

COM 463: Intercultural Communication Theory and Research (SB \& G)

COM 465: Intercultural Communication Workshop

DAH 302: Ethnography of Dance Practices ((L or HU) \& G)

DAH 401: Moving Histories (HU)
ECN 306: Survey of International Economics (SB \& G)

ECN 436: International Trade Theory (SB \& G)

ECN 438: International Monetary Economics (SB \& G)

ENG 400: History of Literary Criticism
ENG 429: Cultural Trends in Central Europe, European Romanticism, Fem Pol Fict in East Euro, Feminist Political Writing in
Contemporary Eu, Italian Literature in
Translation, Jewish Culture in Central Europe, Literature \& Film in 20th-Century Eastern Eur, Literature \& Politics in Pre- \& Post-Communis, Politics \& Gender in
Contemporary Europe, Politics of Drama in 20th-Century Europe, Societies and Culture in Modern Europe, Stalinism in Literature and
Film, Studies in European Literature and Culture, Theatre and Politics in Modern Europe

ENG 464: Great Directors (L or HU)
FIN 456: International Financial Management (G)

GCU 121: World Geography (SB \& G)
GCU 253: Introduction to Cultural and Historical Geography (SB \& G)

GCU 322: Geography of U.S. and Canada (SB \& C)

GCU 325: Geography of Europe (SB \& G)
GCU 327: Geography of Africa (SB \& G)
GCU 328: Geography of Middle East and North Africa (SB \& G)

GCU 359: Cities of the World I (SB \& G \& H)

GCU 360: Cities of the World II (SB \& G)
HST 101: Global History Since 1500 (HU \& H \& G)

HST 102: Western Civilization (SB \& H)
HST 103: Western Civilization ((HU or SB) \& H)

HST 104: Western Civilization ((HU or SB) \& G \& H)

HST 202: Historical Themes in Europe ((HU or SB) \& H)

HST 211: American Jewish History (SB \& H)
HST 304: Barbarians in Dark Ages, Britain and New Imperialism, Creation and Destruction, End of Roman Republic, Engl Middle Ages 1471-1529, Europe in World History Since 1789, European Enlightenment, European Migrations, History of Jewish
Mysticism, King Alfred: Man or Myth?,
Medieval England 1216-1399, Middle Ages
Recyc: Medievalism, Migration in Modern European History, Occup and Collab w/Europe, Pausanias: Trvlr in Roman, Religion/Rblln:SE Englnd,
Rockers/Rebels/Romantics, Scottish History, Shakespeare and the Virgin Queen, Shoah: History, Memory, and Representation, Studies in European History, Survey Eng
Literature\&Culture Cambridge Connection
HST 316: 20th-Century U.S. Foreign Relations (SB \& G \& H)

HST 325: Immigration and Ethnicity in the United States (SB \& H \& C)

HST 349: Early Middle Ages ((HU or SB) \& H)

HST 350: Later Middle Ages ((HU or SB) \&
$\mathrm{H})$ H)

HST 351: Renaissance Europe ((L or HU or SB) \& H)

| HST 352: Europe's Reformations ((L or HU or SB) \& H) |
| :---: |
|  |
| HST 354: Revolutionary Europe (SB \& H) |
| HST 355: Total War \& the Crisis of Modernity (SB \& G \& H) |
| HST 356: Europe since 1945 (SB \& G \& H) |
| HST 359: Jewish History from 1492 to 1948 (SB \& G \& H) |
| HST 361: Witchcraft and Heresy in Europe ((L or HU )\& H) |
| HST 362: Sex and Society in Classical and Medieval Europe (SB \& H) |
| HST 363: Sex and Society in Early Modern Europe ((HU or SB) \& H) |
| HST 364: Sex and Society in Modern Europe ((L or SB) \& H) |
| HST 365: Women in Europe, 1750 to Present ((L or HU or SB) \& H) |
| HST 368: Culture and Imagination in European History (HU \& H) |
| HST 429: Modern Germany (SB \& G \& H) |
| HST 431: East Euro/the Balkans-Pre 1914 (SB \& H) |
| HST 432: East Euro/ the Balkans-20 Cent (SB \& G \& H) |
| MGT 302: Principles of International Business (G) |
| IBS 306: Survey of International Economics |
| IBS 400: Cultural Factors in International Busness |
| JUS 415: Gender and International Development (L \& G) |
| MCO 430: International Mass Communication (G) |
| MGT 459: International Management (G) |
| MHL 341: Music History (HU) |
| MHL 342: Music History (HU) |
| MHL 344: Music in World Cultures (HU \& G) |
| MHL 438: Topics in 18th-Century Music (H) |
| MHL 439: Topics in 19th-Century Music (L \& H) |
| MHL 440: Music Since 1900 (L or HU) |
| MHL 456: History of Opera |
| MKT 435: Entrepreneurial Marketing |
| PHI 302: History of Modern Philosophy (HU \& H) |
| PHI 311: Philosophy in Literature (HU) |
| PHI 315: Philosophy of Language (HU) |
| PHI 401: Rationalism |
| PHI 402: Empiricism (HU) |
| PHI 403: Contemporary Analytic Philosophy (HU) |
| PHY 252: Physics III (SQ) |

PHY 314: Quantum Physics I

| PLC Elective |
| :---: |
| POS 150: Comparative Government (SB \& G) |
| POS 160: Global Politics (SB \& G) |
| POS 260: Current Issues in International Politics ((L or SB) \& G) |
| POS 300: Contemp Global Controversies (SB \& G) |
| POS 340: History of Political Philosophy I <br> ( $\mathrm{HU} \& \mathrm{H}$ ) |
| POS 341: History of Political Philosophy II ( $\mathrm{HU} \& \mathrm{H}$ ) |
| POS 356: European Union (SB \& G) |
| POS 360: Asia-Pacific World Affairs, Asian International Politics, Current Issues International Politics, Environment and World Politics, European Union, Global Terrorism, International Conflict in a Historical Context, International Relations and Asia, International Security, Liberal Studies, Organizational Studies, Politics of the Middle East, Postcolonial Politics: Power, Resistance, \& Subjec, Psychology and Politics, Realism, World Politics |
| POS 465: International Organization and Law (SB \& G) |
| POS 467: International Security (SB \& G) |
| POS 486: International Political Economy (SB \& G) |
| SCM 463: Global Supply Chain Management |
| SHS 101: American Sign Language I |
| SHS 102: American Sign Language II |
| SHS 201: American Sign Language III |
| SHS 202: American Sign Language IV |
| TDM 205: Introduction to Travel and Tourism (G) |
| TDM 458: International Tourism (G) |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. At At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses.Â When you complete both courses, all three learning goals must be filled in order to complete the requirement. A Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.
- Degree offerings in the School of International Letters \& Cultures are flexible liberal arts majors. Students must bear in mind that the credits toward the major and minor can only be accumulated after completion of preparatory language courses. These preparatory courses are not major requirements and do not count toward the hours the student needs to complete degree requirements. Demonstrated proficiency at the intermediate level is required for enrollment in major requirement courses. Students are strongly encouraged to contact an academic advisor regarding clarifications on course applicability.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map <br> Global Health, BA

College of Liberal Arts and Sciences
Campus:Tempe
LASSHBA

| Term 1 0-14 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Consult academic advisor for Academic Success Clusters, and First Year Seminar options |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| ASB 102: Introduction to Cultural and Social Anthropology (SB \& G) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences | 1 |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| 1. SSH 100: Introduction to Global Health (SB \& G) | 3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 3 31-44 Credit Hours Critical course signified by 9 | Hours | Minimum Grade | Notes |


| ASM 345: Disease and Human Evolution OR |  |  |
| :---: | :---: | :---: |
| SSH 301: Global History of Health (SB \& H) OR | 3 | C |
| SSH 401: Health and Human Biology |  |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |
| $\begin{aligned} & \text { Natural Science - Quantitative (SQ) OR } \\ & \text { Natural Science - General (SG) } \end{aligned}$ | 4 |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |

Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
Term hours subtotal: 14

| Term 4 45-67 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ASB 355: Traditional Medicine and Healing (HU or SB) OR <br> SSH 200: Food and Culture ((L or SB) \& C) OR <br> SSH 404: Medical Anthropology: Culture and Health (C) | 3 | C | - Second language completed; a grade of C or higher is required for completion of the second language |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C | language <br> - All global health majors are required to go on a summer |
| Elective | 3 |  | study abroad the summer after term four. The 6 hours at the |
| Upper Division Elective | 3 |  | bottom of term 4 reflect the six |


| SSH 403: Cross-Cultural Studies in Global Health (SB \& G) | 3 | C | hours that must be completed abroad through the School of Human Evolution and Social Change. |
| :---: | :---: | :---: | :---: |
| Upper Division Global Health Elective Courses in Related Areas | 3 | C |  |
| Term hours subtotal: | 23 |  |  |
| Term 5 68-82 Credit Hours | Hours | Minimum Grade | Notes |
| SSH 370: Production, People, and Environments (SB) OR <br> SSH 400: Poverty, Social Justice, and Global Health ((L or SB) \& G) OR <br> SSH 414: Urban and Environmental Health (SB) | 3 | C |  |
| Upper Division Global Health Elective Courses in Related Areas | 3 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) AND Upper Division Cultural Diversity in the U.S. (C) OR Upper Division Historical Awareness (H) | 3 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 6 83-94 Credit Hours | Hours | Minimum Grade | Notes |
| Upper Division Global Health Elective Courses in Related Areas | 6 | C |  |
| Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 12 |  |  |
| Term 7 95-108 Credit Hours | Hours | $\begin{gathered} \text { Minimum } \\ \text { Grade } \end{gathered}$ | Notes |
| SSH 402: Community Partnerships for Global Health (SB) OR <br> SSH 494: Doing Research in Global Health OR <br> SSH 499: Individualized Instruction | 3-9 | C | - Practicum to be completed by term 7 <br> - Study abroad requirement must be completed by term 7 |
| Upper Division Global Health Elective Courses in Related Areas | 3 | C |  |
| Upper Division Elective | 3 |  |  |
| Elective | 5 |  |  |
| Term hours subtotal: | 14-20 |  |  |
| Term 8 109-120 Credit Hours | Hours | Minimum Grade | Notes |
| SSH 405: Senior Seminar in Global Health | 3 | C | - Cannot enroll in SSH 405 until student has completed required Global Health study abroad and practicum |
| Upper Division Global Health Elective Courses in Related Areas | 3 | C |  |
| Elective | 3 |  |  |
| Upper Division Elective | 3 |  |  |

Term hours subtotal: 12

| SSH Elective: Poverty and Social Justice | SSH Elective: Time Depth |
| :---: | :---: |
| ASB 202: Immigration and Ethnic Relations | ASB 301: Global History of Health (SB \& H) |
| in the U.S. (SB \& H \& |  |
| ASB 370: Production, People, and |  |
| Environments (SB) | SSH 401: Health and Human Biology |
| ASB 394: Production, People, and Environments |  |
| ASB 410: Poverty, Social Justice, and Global Health ((L or SB) \& G) |  |
| ASM 348: Social Issues in Human Genetics (SB) |  |
| SGS 394: Principles of Econ Dev Global |  |
| SGS 394: Violence/Conflict/Human Right |  |

SSH Elective: Culture, Society and Health
AFS 294: Health Issues in African American
Communities
ASB 200: Food and Culture ((L or SB) \& C)
ASB 462: Medical Anthropology: Culture and
Health (C)
HON 494: Religion \& Bioethics
HST 312: History of Women in Science and
Medicine (HU or SB)
NTR 348: Cultural Aspects of Food (SB \& C
\& G)
SOC 427: Sociology of Health and Illness
(SB)

| SOC 370: Production, People, and |
| :--- |
| Environments (SB) |
| SOC 424: Women and Health (SB) SSH 200: Food and Culture ((L or SB) \& C) <br> SOS 370: Production, People, and <br> Environments (SB) SSH 404: Medical Anthropology: Culture and <br> Health (C) <br> SSH 400: Poverty, Social Justice, and Global <br> Health ((L or SB) \& G) TCL 323: Latino Health Issues (SB \& C) <br> TCL 327: Health and Migration (SB) TCL 326: Health of Chicanas and Latinas (SB <br> TCL 422: U.S.-Mexico Border Health TCL 410: Race, Medicine, and the Body (L) <br> TCL 443: Political Ecology of the Border (SB <br> \& G) WST 360: Women as Healers (SB \& G) |

WST 394: Women and International Health
SSH Elective: Health and Biology

| SSH Elective: Other |
| :--- |
| Hunter-Gatherers |


| ASM 342: Evolution, Ecology, and Human |
| :--- |
| Biological Variation |

ASM 345: Disease and Human Evolution
ASB 394: Production, People, and
Environments

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. At At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. A Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.


## -

Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)


## General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map <br> Global Studies, BA

College of Liberal Arts and Sciences
Campus:Tempe
LASGSBA

| Term 1 0-11 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. LIA 194 or UNI 194: Academic Success Seminar or First Year Seminar equivalent are acceptable substitutions for SGS 191. |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| SGS 191: Access to the World OR <br> LIA 194: Intro to Liberal Arts and Sciences | 1 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Term hours subtotal: | 11 |  |  |


| Term 2-12-30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| 4 SGS 101: Thinking Globally: The Individual and Authority (SB) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |  |
| Elective | 2 |  |  |
| Term hours subtotal: | 19 |  |  |
| Term 3 31-44 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| 4 SGS 204: Professional Global Career Development | 3 | C | - Completed SGS coursework must reflect at least TWO tracks in order to fulfill requirement. |
| SGS Elective | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including <br> American Sign Language IV. | 4 | C |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 4 45-60 Credit Hours Critical course signified by 9 | Hours | Minimum Grade | Notes |
| 4 SGS 305: Research Methods (L) | 3 | C |  |
| SGS Elective | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including <br> American Sign Language IV. | 4 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Cultural Diversity in the U.S. (C) | 3 |  |  |


| Term 5 61-75 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| Complete 2 courses: <br> SGS Upper Division Elective |  | 6 | C | - Related area course options (upper division only): AFS, ASB, ASM, BIO, COM, ECN, GCU, GPH, HPS, HST, IBS, JUS, PAF, POS, PUP, REL, SGS, SOS, WST <br> - Completed SGS coursework must reflect at least TWO tracks in order to fulfill requirement. |
| Upper Division Related Area Course |  | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) |  | 3 |  |  |
| Social and Behavioral Sciences (SB) |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours |  | Hours | Minimum Grade | Notes |
| SOC 390: Social Statistics I (CS) OR POS 401: Political Statistics (CS) |  | 3 | C |  |
| SGS Upper Division Elective |  | 3 | C |  |
| Global Awareness (G) |  | 3 |  |  |
| Complete 2 courses: <br> Upper Division Related Area Course |  | 6 | C |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours |  | Hours | Minimum Grade | Notes |
| Upper Division Related Area Course |  | 3 | C |  |
| Literacy and Critical Inquiry (L) |  | 3 |  |  |
| Historical Awareness (H) |  | 3 |  |  |
| Upper Division Elective |  | 3 |  |  |
| Elective |  |  |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| SGS 484: Internship |  | 6 | C | - Internship must be international and approved by internship coordinator before start. |
| Complete 2 courses: <br> Upper Division Elective |  | 6 |  |  |
| Elective |  | 3 |  |  |


| Upper Division Related Area Course | SGS Elective: Economic Development Track | SGS Elective: Cultural Perspectives \& Place Track |
| :---: | :---: | :---: |
| AFS Elective | SGS 394: Economic Development in Historical Perspective |  |
|  |  | SGS 111: Global History Since 1500 (HU \& H \& G) |
| ASB Elective |  |  |
| ASM Elective | SGS 394: Economic Development in Transitional Societies | SGS 194: Religion and Globalization |
| BIO Elective | SGS 394: Global Markets | SGS 240: Introduction to Southeast Asia ((HU or SB) \& G) |
| COM Elective | SGS 394: Policies for Economic Development |  |
|  |  | SGS 303: Global Trends (SB) |
| ECN Elective | SGS 394: Principles of Econ Dev Global | SGS 394: Placemaking in a Globalizing World |
| GCU Elective |  |  |
| GPH Elective | SGS 394: Global Trade in Real Time | SGS 394: China in Transition |
| HPS Elective | SGS 494: Capstone:Understanding China | SGS 394: Yoruba in the African Diaspora |
| HST Elective |  | SGS 394: Islam and World Affairs |
| IBS Elective |  | SGS 394: Islam \& Islamic Societies in Africa |
| JUS Elective |  | SGS 394: Cultural Aspects of Globalization |
| PAF Elective |  | SGS 394: Religions of India |
| POS Elective |  | SGS 394: Globalization and China |


| PUP Elective |
| :--- |
| REL Elective |
| SGS Elective |
| SOS Elective |
| WST Elective |
| SGS Elective: Global Governance Track |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. $\hat{A}$ At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. Â When you complete both courses, all three learning goals must be filled in order to complete the requirement.A Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map <br> History, BA

College of Liberal Arts and Sciences
Campus:Online, Tempe
LAHISBA

| Term 1 0-17 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4. HST Elective | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences OR First-Year Seminar | 1 |  |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including <br> American Sign Language IV. | 4 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Maintain 2.25 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 2 18-31 Credit Hours Critical course signified by 4 | Hours | Minimum Grade | Notes |
| 4 HST Elective | 3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Natural Science - General (SG) OR <br> Natural Science - Quantitative (SQ) | 4 |  |  |
| Maintain 2.25 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 3 32-48 Credit Hours Critical course signified by ${ }^{\text {e }}$ | Hours | Minimum Grade | Notes |
| 4 HST course (SB) | 3 | C |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Global Awareness (G) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Elective | 4 |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Maintain 2.25 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 4 49-62 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| - HST course (SB and H) | 3 | C |  |
| Cultural Diversity in the U.S. (C) | 3 |  |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Maintain 2.25 GPA in Critical Tracking Courses. |  |  |  |


| Term 5 63-77 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| HST 300 AND <br> Upper Division Literacy and Critical Inquiry (L) |  | 3 | C | - The sequence of history courses shown here is a suggested one. Except where prerequisites dictate the order in which certain courses must be taken, students should consult with an academic advisor to determine the best sequence of courses for their personal plan of study. |
| HST Upper Division Elective |  | 3 | C |  |
| Complete 2 courses: Related Area Course |  | 6 | C |  |
| HST Upper Division Elective |  | 3 | C |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 78-92 Credit Hours |  | Hours | Minimum Grade | Notes |
| HST 302: Studies in History OR <br> HST 303: Studies in Asian History OR <br> HST 304: Studies in European History OR HST 305: Studies in Latin American History OR HST 306: Studies in United States History OR HST 307: Studies in African History AND Social and Behavioral Sciences (SB) |  | 3 | C |  |
| HST Upper Division Elective |  | 3 | C |  |
| Upper Division Related Area Course |  | 3 | C |  |
| Complete 2 courses: Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 93-107 Credit Hours |  | Hours | Minimum Grade | Notes |
| HST 498: Pro-Seminar AND <br> Upper Division Literacy and Critical Inquiry (L) |  | 3 | C |  |
| Upper Division HST course (HU) OR Upper Division HST course (SB) |  | 3 |  |  |
| Humanities, Fine Arts and Design (HU) |  | 3 |  |  |
| Upper Division Related Area Course |  | 3 | C |  |
| Upper Division Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 108-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| Complete 2 courses: <br> Upper Division Related Area Course |  | 6 | C |  |
| Upper Division General Education Elective |  | 3 |  |  |
| Upper Division Elective |  | 3 |  |  |
| Elective |  | 1 |  |  |
|  | Term hours subtotal: | 13 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. At At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. $\hat{A}$ At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

| I. First Year Composition (3-6 hours) | 1 | Total <br> Hours | UD <br> Hours | Res <br> Hours |
| :--- | :---: | :---: | :---: | :---: |
| GNG 101:First Year Comp 1 (3) and |  |  |  |  |
| ENG 102:First Year Comp 2 (3) or, if eligible |  |  |  |  |
| ENG 105: Advance First Year Comp (3) |  |  |  |  |

## II. University General Studies (35 hours)

Humanities/Fine Arts \& Social/Behavioral Sciences (15 hours) Required: 15 hours combined; 6 hours in one area, 9 hrs in the other AND one course must be upper
division.

| HU: |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| HU: |  |  |  |  |
| SB: |  |  |  |  |
| SB: |  |  |  |  |
| HU or SB: |  |  |  |  |
| Natural Sciences (8 hours) |  |  |  |  |
| SQ: |  |  |  |  |
| SQ/SG: |  |  |  |  |
| Mathematics \& Statistics/Computer Applications (6 hours) |  |  |  |  |
| MA: |  |  |  |  |
| CS: |  |  |  |  |
| Literacy \& Critical Inquiry (6 hours) |  |  |  |  |
| L: |  |  |  |  |
| Upper division L: |  |  |  |  |

Awareness Areas (2 courses minimum and must fulfill all 3 areas)
Double counting is permissible between Awareness Areas, other courses that fulfill graduation requirements, and within the Awareness Areas.

| Global Awareness (G): |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Historical Awareness (H): |  |  |  |  |
| Cultural Diversity (C): |  |  |  |  |

## III. College of Liberal Arts and Sciences ( 6 hours)

Second Language Required: Students must complete a second language through the Intermediate II level. For most languages, this is the 202 level.
For some, it is 314 or higher.
$\qquad$

| Total Hours <br> Required (120 <br> hrs. min) | Upper Division <br> Hours Required <br> (45 hrs min) | ASU Resident <br> Hours Required <br> (30 hrs min) | Max. 2-yr Transfer <br> Hours allowed (64 <br> hrs max.) | Minimum GPA <br> required (2.00 <br> min.) | ASU Resident Hours for <br> Acadenic Recognition (56 <br> hrs min) |
| :--- | :--- | :--- | :--- | :--- | :--- |
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[^1]Major Map: Integrated Studies -
Bachelor of Arts (B.A.)
College of Liberal Arts and Sciences | Catalog Year: 2011-2012

| III. Integrated Studies Courses (min. 45 hours) ${ }^{2}$ <br> Courses used for the major may not also be used to fill the university general studies or college requirements | Total Hours | $\begin{array}{\|c\|} \hline \text { UD } \\ \text { Hours } \\ \hline \end{array}$ | Res Hours | Grade |
| :---: | :---: | :---: | :---: | :---: |
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## IV. Electives

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| I. First Year Composition (3-6 hours) |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
|  |  | Total <br> Hours | UD <br> Hours | Res <br> Hours |
| Grade |  |  |  |  |
| ENG 101:First Year Comp 1 (3) and |  |  |  |  |
| ENG 102:First Year Comp 2 (3) or, if eligible |  |  |  |  |
| ENG 105: Advance First Year Comp (3) |  |  |  |  |

## II. University General Studies (35 hours)

Humanities/Fine Arts \& Social/Behavioral Sciences (15 hours) Required: 15 hours combined; 6 hours in one area, 9 hrs in the other AND one course must be upper
division.

| HU: |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| HU: |  |  |  |  |
| SB: |  |  |  |  |
| SB: |  |  |  |  |
| HU or SB: |  |  |  |  |
| Natural Sciences (8 hours) |  |  |  |  |
| SQ: |  |  |  |  |
| SQ/SG: |  |  |  |  |
| Mathematics \& Statistics/Computer Applications (6 hours) |  |  |  |  |
| MA: |  |  |  |  |
| CS: |  |  |  |  |

Literacy \& Critical Inquiry (6 hours)


Awareness Areas (2 courses minimum and must fulfill all 3 areas)
Double counting is permissible between Awareness Areas, other courses that fulfill graduation requirements, and within the Awareness Areas.

| Global Awareness (G): |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Historical Awareness (H): |  |  |  |  |
| Cultural Diversity (C): |  |  |  |  |

## III. College of Liberal Arts and Sciences ( 6 hours)

Science and Society ( 6 hours). Required: 6 hours from the Science and Society website; at least one course must be upper division and there is a C minimum required for each course.

SS 1:
SS2:

| Total Hours <br> Required (120 <br> hrs. min) | Upper Division <br> Hours Required <br> (45 hrs min) | ASU Resident <br> Hours Required <br> (30 hrs min) | Max. 2-yr Transfer <br> Hours allowed (64 (64 <br> hrs max.) | Minimum GPA <br> required (2.00 <br> min.) | ASU Resident Hours for <br> Academic Recognition (56 <br> hrs min) |
| :--- | :--- | :--- | :--- | :--- | :--- |
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${ }^{1}$ Complete First-Year Composition and Mathematics (MA) requirement by the end of term 3 ${ }^{2}$ Integrated Studies courses are selected in consultation with an advisor. Students may not choose to major in Integrated Studies as freshmen. Instead, the major is approved on a case by case basis from students who have completed at least 30 graded hours at ASU and who have earned a minimum GPA of 3.25 . In addition, students are required to submit three letters from faculty who are willing to mentor them through the program as well as to design a set of courses that create a holistic major that is unavailable at ASU in any other form. All information is to be submitted to Asst. Dean Barbara Colby, who will determine the viability and integrity of the proposed degrees

Major Map: Integrated Studies -
Bachelor of Science (B.S.)
College of Liberal Arts and Sciences | Catalog Year: 2011-2012

| III. Integrated Studies Courses (min. 45 hours) ${ }^{2}$ <br> Courses used for the major may not also be used to fill the university general studies or college requirements | Total Hours | $\left\lvert\, \begin{array}{\|c\|} \text { UD } \\ \text { Hours } \end{array}\right.$ | Res Hours | Grade |
| :---: | :---: | :---: | :---: | :---: |
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## IV. Electives



Major Map: International Letters and Cultures -<br>Bachelor of Arts (B.A.)<br>College of Liberal Arts and Sciences | Catalog Year: 2011-2012



| Course Subject and Title （courses in bold／shading are critical） | Hrs． | Upper Division | Transfer Course／Grade | Minimum Grade if Required | Additional Critical Requirement Notes |
| :---: | :---: | :---: | :---: | :---: | :---: |
| TERM SEVEN：91－105 CREDIT HOURS |  |  |  |  |  |
| Approved Program of Study upper division Course（see note） | 3 | 囚 |  | Grade of C | －Maintain minimum 2.33 cumulative ASU GPA （required for graduation）． <br> －Approved Program of Study courses to be selected from approved and current Program of Study． <br> －Meet with SILC Academic Advisor to prepare for final semester． |
| Approved Program of Study upper division Course（see note） | 3 | 区 |  | Grade of C |  |
| Approved Program of Study upper division Course（see note） | 3 | 区 |  | Grade of C |  |
| Upper－Division Social／Behavioral Science（SB）or Humanities，Fine Arts \＆Design（HU） | 3 | 区 |  |  |  |
| Upper－Division Elective | 3 | 区 |  |  |  |
| TERM EIGHT：106－120 CREDIT HOURS |  |  |  |  |  |
| SLC 400－level course or SLC 498：Capstone | 3 | 区 |  | Grade of C | －MILESTONE：Must have earned 9 （nine）upper－ division hours in primary target language courses by the end of term 8 ． <br> －Maintain minimum 2.33 cumulative ASU GPA （required for graduation）． <br> －Approved Program of Study courses to be selected from approved and current Program of Study． |
| Approved Program of Study upper division Course（see note） | 3 | 区 |  | Grade of C |  |
| Approved Program of Study upper division Course（see note） | 3 | 囚 |  | Grade of C |  |
| Approved Program of Study upper division Course（see note） | 3 | 囚 |  | Grade of C |  |

## Graduation Requirements Summary：

| Total Hours <br> $(120$ minimum $)$ | Total UD Hours <br> （minimum 45） | Cumulative GPA <br> $(2.00$ minimum） | Total Hrs at ASU <br> （ minimum 30） | Resident Credit for <br> Academic Recognition <br> （minimum 56） |
| :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |

## 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：

## 2011-2012 Major Map International Letters \& Cultures (Classics), BA

College of Liberal Arts and Sciences
Campus:Tempe
LASLCCBA

| Term 1 0-14 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| LAT 101: Elementary Latin OR <br> GRK 101: Elementary Ancient Greek | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Latin emphasis choose LAT, Greek emphasis choose GRK |
| SLC 194: Introduction to Classics OR SLC 294: Special Topics | 1-2 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Minimum 3.00 GPA in LAT. |  |  |  |
| Minimum 3.00 GPA in GRK. |  |  |  |
| Minimum 2.33 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 14-15 |  |  |
| Term 2 15-30 Credit Hours | Hours | Minimum Grade | Notes |
| LAT 102: Elementary Latin OR GRK 201: Intermediate Ancient Greek | 4 | C | - Latin emphasis choose LAT, Greek emphasis choose GRK |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Historical Awareness (H) | 3 |  |  |
| Minimum 2.33 GPA ASU Cumulative. |  |  |  |
| Minimum 3.00 GPA in LAT. |  |  |  |
| Minimum 3.00 GPA in GRK. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 3 31-46 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| LAT 201: Intermediate Latin I (HU) OR GRK 301: Ancient Greek Literature I (HU) | 3-4 | C | - Latin emphasis choose LAT, Greek emphasis choose GRK |
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory | 3 | C |  |
| Cultural Diversity in the U.S. (C) | 3 |  |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Minimum 2.33 GPA ASU Cumulative. |  |  |  |
| Minimum 3.00 GPA in LAT. |  |  |  |
| Minimum 3.00 GPA in GRK. |  |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 16-17 |  |  |
| Term 4 47-61 Credit Hours | Hours | Minimum Grade | Notes |
| 1. LAT 202: Intermediate Latin II (HU) OR GRK 302: Ancient Greek Literature II (HU) | 3-4 | C | - Latin emphasis choose LAT, Greek emphasis choose GRK <br> - HST 394 must be Greek or Roman History |
| SLC 201: Introduction to Linguistics (HU or SB) OR <br> SLC 202: Introduction to Literary and Cultural Theory | 3 | C |  |


| HST 347: Ancient Greece (SB \& H) OR HST 348: Rome (SB \& H) OR HST 394: Special Topics |  | 3 | C |  |
| :---: | :---: | :---: | :---: | :---: |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) |  | 3 |  |  |
| Upper Division Literacy and Critical Inquiry (L) |  | 3 |  |  |
| Minimum 2.33 GPA ASU Cumulative. |  |  |  |  |
|  | Term hours subtotal: | 15-16 |  |  |
| Term 5 62-76 Credit Hours |  | Hours | Minimum Grade | Notes |
| HST 347: Ancient Greece (SB \& H) OR <br> HST 348: Rome (SB \& H) OR <br> HST 394: Special Topics |  | 3 | C | - Latin emphasis choose LAT, Greek emphasis choose PHI <br> - HST 394 must be Greek or Roman History |
| LAT 421: Roman Literature (HU) OR <br> PHI 301: History of Ancient Philosophy (HU \& H) |  | 3 | C |  |
| Global Awareness (G) |  | 3 |  |  |
| Complete 2 courses: <br> Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 77-91 Credit Hours |  | Hours | Minimum Grade | Notes |
| LAT 422: Roman Literature (HU) OR Upper Division Elective |  | 3 | C | - Latin emphasis choose LAT, Greek emphasis choose Elective <br> - LAT 422 is for the Latin track only. |
| Classics Elective |  | 3 | C |  |
| Humanities, Fine Arts and Design (HU) |  | 3 | C |  |
| Complete 2 courses: <br> Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 92-106 Credit Hours |  | Hours | Minimum Grade | Notes |
| Complete 2 courses: Classics Elective |  | 6 | C |  |
| Complete 2 courses: Upper Division Elective |  | 6 |  |  |
| Humanities, Fine Arts and Design (HU) OR Social and Behavioral Sciences (SB) | 3 |  |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 107-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| SLC 400: Linguistics (SB) |  | 3 | C |  |
| Complete 3 courses: Upper Division Elective |  | 11 |  |  |
|  | Term hours subtotal: | 14 |  |  |

[^2]- Special topics courses must be related to Classical Studies; students will be required to provide a syllabus for the requested course to the SILC academic advisor prior to taking the course. For information regarding elective courses click on the related fieldsÂ link at this page: http://silc.asu.edu/undergraduate/majors-minors-certs.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Italian, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAITABA

| Term 1 0-15 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ITA 101: Elementary Italian I OR <br> ITA 111: Accelerated Elementary Italian | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ITA 111: Accelerated Elementary Italian is equivalent to ITA 101: Elementary Italian I and ITA 102: Elementary Italian II |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |
| SLC 294: Language Exploration | 2 |  |  |
| Term hours subtotal: | 15 |  |  |



Term hours subtotal: 14

| Term 4 46-62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ¢ ITA 202: Intermediate Italian II (G) | 4 | C |  |
| SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory | 3 | C |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |  |
| Elective | 3 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |
| Humanities, Fine Arts and Design (HU) OR Social and Behavioral Sciences (SB) | 3 |  |  |
|  | 17 |  |  |


| Term 5 63-77 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| ITA 311: Italian Conversation (G) |  | 3 | C | - Minimum grade of C in all ITA, SLC and Italian Related Fields courses <br> - Enroll in Study Abroad Program credits or listed courses |
| ITA 312: Italian Composition (G) |  | 3 | C |  |
| ITA 3** Elective OR <br> ITA 4** Elective |  | 3 | C |  |
| Upper Division Related Area Course |  | 3 | C |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 78-92 Credit Hours |  | Hours | Minimum Grade | Notes |
| ITA 321: Introduction to Italian Literature I |  | 3 | C | - Minimum grade of C in all ITA, SLC and Italian Related Fields courses <br> - Enroll in Study Abroad Program credits or listed courses |
| Related Area Course |  | 3 | C |  |
| Literacy and Critical Inquiry (L) |  | 3 |  |  |
| Upper Division Elective |  | 3 |  |  |
| ITA 4** Elective |  | 3 | C |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 93-107 Credit Hours |  | Hours | Minimum Grade | Notes |
| ITA 322: Introduction to Italian Literature II (HU) |  | 3 | C | - Minimum grade of C in all ITA, SLC and Italian Related Fields courses <br> - Enroll in Study Abroad Program credits or listed courses |
| ITA 413: Advanced Italian (G) |  | 3 | C |  |
| Upper Division Literacy and Critical Inquiry (L) |  | 3 |  |  |
| Elective |  | 3 |  |  |
| ITA 4** Elective |  | 3 | C |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 108-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| ITA $4 * *$ Elective |  | 3 | C | - Minimum grade of C in all ITA, SLC and Italian Related Fields courses <br> - Enroll in Study Abroad Program credits or listed courses |
| SLC 4** Elective OR <br> SLC 498: Pro-Seminar |  | 3 | C |  |
| Complete 2 courses: Upper Division Elective |  | 6 |  |  |
| Elective |  | 1 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. Â When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.
- Degree offerings in the School of International Letters \& Cultures are flexible liberal arts majors. Students must bear in mind that the credits toward the major and minor can only be accumulated after completion of preparatory language courses. These preparatory courses are not major requirements and do not count toward the hours the student needs to complete degree requirements. Demonstrated proficiency at the intermediate level is required for enrollment in major requirement courses. Students are strongly encouraged to contact an academic advisor regarding clarifications on course applicability.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

Hrs Resident Credit for

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 designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Jewish Studies, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAJSTBA

| Term 1 0-14 Credit Hours Critical course signified by 9 | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. |
| JST 210: Introduction to Judaism ((L or HU )\& H) OR JST 230: Introduction to Jewish Civilization OR Lower Division Track Focus Area Course OR HST 211: American Jewish History (SB \& H) | 3 | C |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Modern or Biblical Hebrew at the intermediate level (202 or equivalent). | 4 | C |  |
| LIA 194: Academic Success Seminar, Intro to Liberal Arts and Sciences | 1 |  |  |
| 9. Maintain 2.00 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-29 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| JST 210: Introduction to Judaism ((L or HU )\& H) OR JST 230: Introduction to Jewish Civilization OR Lower Division Track Focus Area Course OR HST 211: American Jewish History (SB \& H) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Modern or Biblical Hebrew at the intermediate level (202 or equivalent). | 4 | C |  |
| Natural Science - General (SG) OR <br> Natural Science - Quantitative (SQ) | 4 |  |  |
| Elective | 1 |  |  |
| 4. Maintain 2.00 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 3 30-45 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| JST 210: Introduction to Judaism ((L or HU )\& H) OR JST 230: Introduction to Jewish Civilization OR Lower Division Track Focus Area Course OR HST 211: American Jewish History (SB \& H) | 6 | C |  |
| Humanities, Fine Arts and Design (HU) AND Global Awareness (G) | 3 |  |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Modern or Biblical Hebrew at the intermediate level (202 or equivalent). | 4 | C |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| 4. Maintain 2.00 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 4 46-59 Credit Hours Critical course signified by ${ }^{\text {P }}$ | Hours | Minimum Grade | Notes |
| 4 Course from Outside of Track | 3 | C | - If JST 210 already completed, take an elective |
| JST 210: Introduction to Judaism ((L or HU )\& H) OR Literacy and Critical Inquiry (L) | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Modern or Biblical Hebrew at the intermediate level (202 or equivalent). | 4 | C |  |


| Milestone: Must have completed either JST/REL 210: Introduction to Judaism or JST 230: Introduction to Jewish Civilization |  |  |  | Notes |
| :---: | :---: | :---: | :---: | :---: |
|  | Term hours subtotal: | 14 |  |  |
| Term 5 60-74 Credit Hours |  | Hours | Minimum Grade |  |
| Upper Division Course from Outside of Track |  | 3 | C |  |
| Upper Division Related Area Course |  | 3 | C |  |
| Related Area Course |  | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) |  | 3 |  |  |
| Upper Division Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 75-89 Credit Hours |  | Hours | Minimum Grade | Notes |
| Upper Division Track Focus Area Course |  | 3 | C |  |
| Upper Division Course from Outside of Track |  | 3 | C |  |
| Upper Division Related Area Course |  | 3 | C |  |
| Related Area Course |  | 3 | C |  |
| Upper Division Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 90-104 Credit Hours |  | Hours | Minimum Grade | Notes |
| JST 491: History of Anti-Semitism OR <br> JST 495: Judaism, Science and World Religions OR JST 496: Biblical Narratives: Literary Approaches |  | 3 | C |  |
| Upper Division Track Focus Area Course |  | 3 | C |  |
| Upper Division Related Area Course |  | 3 | C |  |
| Social and Behavioral Sciences (SB) |  | 3 |  |  |
| Upper Division Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 105-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| Upper Division Track Focus Area Course |  | 3 | C |  |
| Upper Division Literacy and Critical Inquiry (L) |  | 3 |  |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) |  | 3 |  |  |
| Upper Division Elective |  | 6 |  |  |
| Elective |  | 1 |  |  |
| Term hours subtotal: |  | 16 |  |  |
| Related Area | Literature and Culture Track | Religion and Thought Track |  |  |
| ASB 430: Social Simulation (CS) | JST 210: Introduction to Judaism ((L or HU ) \& H) | JST 210: Introduction to Judaism ((L or HU )\& H) |  |  |
| AFH 318: African and African Diaspora Women Writers (HU \& G) | HST 211: American Jewish History (SB \& H) | HST 211: American Jewish History (SB \& H) |  |  |
| AFH 394: Unruly Voices | JST 230: Intro to Jewish Civilization | JST 230: Intro to Jewish Civilization |  |  |
| AFR 191: Black Experiences with other Minorities, First Year Seminar, Language of the Civil Rights Movement, Mapping African Diaspora, Slave Narratives | JST 496: Biblical Narratives: Literary Approaches | JST 495: Judaism, Science and World Religions |  |  |
|  | FMS 313: Anti-Semitism in the Media | REL 300: Research, Writing, and Thinking in Religion and Applied Ethics (L or HU) |  |  |
| AFR 375: Race, Gender and Sport (SB \& C) | REL 384: The Bible and Archaeological Discoveries | HST 302: AFRICA: Islam in African History, AFRICA: Women in Islam, EUROPE: Judaism and Ecology, Sex and Scandal, Studies in History, US: Jazz and Culture |  |  |
| AFR 394: Politics: Race, Ethnicity, and Barack Obama, Race, Ethnicity, and Dem in a P, Race, Ethnicity/Politics | Discoveries <br> FMS 394: American Jews in U.S.Politics and Media |  |  |  |  |
| AFS 200: Introduction to African and African Diaspora Studies (SB \& G \& H) | REL 394: Biblical Prophets \& Prophecy, The Poetry and Poetics of the Psalms | $\begin{aligned} & \text { REL } \\ & \text { HU) } \end{aligned}$ | tual, Symbol |  |


| AFS 301: Race and Racism in Africa/African Diaspora (SB \& G) | REL 396: Women in the Bible | HST 314: American Cultural History Since 1865 ((HU or SB) \& H) |
| :---: | :---: | :---: |
| AFS 312: Contemporary African and African Diaspora Women | REL 405: Emotions in Hebrew Bible: Narr on Being Human | REL 315: Hebrew Bible (Old Testament) ((L or HU ) \& H ) |
| AFS 332: Life and Death in Ancient Egypt | ENG 494: Comparative Ethnic Literature: Autobiographies | REL 317: Introduction to Rabbinic Judaism ( $\mathrm{HU} \& \mathrm{H}$ ) |
| AFS 360: Black Families in the Diaspora: U.S. and Caribbean |  | HEB 394: Sex and Gender in Modern Jewish Culture |
| AFS 370: Family, Ethnic, and Cultural Diversity (SB \& C) |  | BIO 494: Religion and Bioethics |
| ARS 402: Art of Ancient Egypt (HU \& H) |  |  |
| CRJ 100: The Justice System (SB) |  |  |
| CRJ 306: Race, Ethnicity, and Justice (C) |  |  |
| CRJ 350: Law and Social Control (SB) |  |  |
| ENG 423: Revenge Tragedies (L or HU) |  |  |
| ENG 430: 19th C British Culture Background, Culture and Empire, Empire and Culture, Imagin and Class, Pre-Raphael \& Victorian Poetry, Pre-Raphaelites, Self-Culture, Spectcl of Loss 19th Cent, Studies in Victorian Literature and Culture, Victorian Masculinities, Victorian Sexuality, Victorians and Problem of |  |  |
| FMS 487: Religion and Film |  |  |
| GCU 328: Geography of Middle East and North Africa (SB \& G) |  |  |
| HST 498: AFRICA: Women in Islamic Africa, Segregation-Desegration US Hist \& Law |  |  |
| IAS 401: Sacred Scriptures and Social Choices (HU \& G) |  |  |
| JUS 320: Community and Social Justice (SB \& C) |  |  |
| JUS 352: The Global Politics of Human Rights |  |  |
| JUS 360: Law and Social Control (SB) |  |  |
| JUS 374: The Holocaust, Genocide, and Human Rights |  |  |
| JUS 425: Race, Gender, and Justice ((L or SB) \& C) |  |  |
| JUS 430: Social Protest, Conflict, and Change ( L or SB ) \& C) |  |  |
| JUS 438: Human Differences: Dilemmas of Justice ((L or HU) \& C) |  |  |
| JUS 467: Terrorism, War, and Justice |  |  |
| PGS 350: Social Psychology (SB) |  |  |
| PGS 451: Stereotyping, Prejudice, and Discrimination (L) |  |  |
| PHI 309: Social and Political Philosophy (HU) |  |  |
| REL 320: American Religious Traditions (HU \& C \& H) |  |  |
| REL 321: Religion in America (HU \& C \& H) |  |  |
| REL 323: African American Religion: A Biographical Approach (HU \& C) |  |  |
| REL 326: Latina/o and Latin American Religions and Cultures (HU \& C) |  |  |
| REL 381: Religion and Moral Issues (L or $\mathrm{HU})$ |  |  |
| REL 420: Religion in American Life and Thought (HU) |  |  |

SOC 341: Modern Social Problems (SB)
SOC 457: Global Social Movements (SB \& G)
SSH 400: Poverty, Social Justice, and Global
Health $((\mathrm{L}$ or SB) \& G)
SWU 374: Diversity and Oppression in a
Social Work Context (C)
THP 482: Theatre for Social Change (C)
WST 375: Women \& Social Change (SB \&
C) C)

WST 475: Women of the Diaspora across Cultures (HU)
History and Society Track
JST 210: Introduction to Judaism ((L or HU )\& H)

JST 230: Intro to Jewish Civilization
JST 491: History of Anti-Semitism
HST 211: American Jewish History (SB \& H)
HST 294: Introduction to Jewish Civilization
HST 300: Africa: Slavery and the Internal
African Diaspora, Asia: Modern South Asia, Europe: Birth of the Modern, Europe: Europe and Africa, Europe: France and WW II,
Europe: Revolutionary Paris, Europe: Russian Revolution, Europe: The Holocaust,
Europe:Violence,Death\&Destruction Early
Eur, Europe:When Sources Lie, French
Revolution, Historical Inquiry, Salem Witch
Trials, U.S.: 1920s: American Modernity,
U.S.: 19th/20th C. Immigration Experience,
U.S.: American History, American Memory,
U.S.: Civil War and Reconstruction, U.S.: Indian Wars and Treaties, U.S.: Overland
Trails, U.S.: The American Metropolis, U.S.:
U.S. West and the Environmen, U.S.:African

Amer Vernacular History, U.S: American
Memory: Civil War and Reconstruction
HST 304: Barbarians in Dark Ages, Britain and New Imperialism, Creation and
Destruction, End of Roman Republic, Engl
Middle Ages 1471-1529, European
Enlightenment, European Migrations, History
of Jewish Mysticism, King Alfred: Man or
Myth?, Medieval England 1216-1399, Middle
Ages Recyc: Medievalism, Occup and Collab
w/Europe, Pausanias: Trvlr in Roman,
Religion/Rblln:SE Englnd,
Rockers/Rebels/Romantics, Scottish History,
Shakespeare and the Virgin Queen, Studies in
European History, Survey Eng
Literature\&Culture Cambridge Connection
HST 358: Jewish History from the Bible to 1492 (SB \& H)

HST 359: Jewish History from 1492 to 1948 (SB \& G \& H)

HST 372: Modern Middle East (SB \& G \& H)

FLA 394: History of Zionism, Israeli Cinema
HEB 394: History of Israel: Society, Politics, Culture

JUS 452: Justice Issues in Israel and
Palestine: The Political is Personal
FMS 486: Holocaust on Film
ENG 494: Holocaust and German Media
HST 498: EUROPE: Jews of the Middle Ages

## Capstone Course

JST 491: History of Anti-Semitism
JST 495: Judaism, Science and World Religions

JST 496: Biblical Narratives: Literary Approaches

Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.A A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. $\hat{A}$ At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement.A Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Justice Studies, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAJUSBA

| Term 1 0-14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement into a mathematics course <br> - Justice Studies BA students are required to complete MAT 142: College Mathematics or higher <br> - All freshmen are required to pass a First-Year Seminar and/or an academic success class and therefore must enroll in an Academic Success Cluster <br> - Scholarship students may need to take additional credits if required to complete a certain amount of credits each term |
| 4 JUS 105: Introduction to Justice Studies (SB) | 3 | C |  |
| JUS 191: First-Year Seminar OR <br> LIA 194: Academic Success Seminar, Intro to Liberal Arts and Sciences, Introduction to <br> Liberal Arts and Sciences Online | 1 |  |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Minimum 2.50 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 14 |  |  |


| Term 2 15-30 Credit Hours Critical course signified by 9 | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| JUS Elective | 3 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Elective | 3 |  |  |
| Minimum 2.50 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 3 31-44 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |

ENG 215: Strategies of Academic Writing (L) OR
ENG 216: Persuasive Writing on Public Issues (L) OR
ENG 217: Writing Reflective Essays (L) OR
ENG 218: Writing About Literature (L or HU) OR
ENG 301: Writing for the Professions (L)
Second Language: Requirement satisfied through the following:

* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV
Natural Science - Quantitative (SQ) 4
Computer/Statistics/Quantitative Applications (CS)
3
Complete Mathematics (MA) requirement.
4 Complete First-Year Composition requirement.
Minimum 2.50 GPA ASU Cumulative.
- Completing one of the following courses is critical at end of Term
4: ENG 215 Strategies of Academic Writing (L) OR ENG 216 Persuasive Writing on Public Issues (L) OR ENG 217 Writing Reflective Essays (L) OR ENG 218 Writing About Literature (L) OR ENG 301 Writing for the Professions (L)
- Upper Division Related Field or Discipline Specific Focus courses should be selected in consultation with the Justice Studies academic advising staff; minimum grade of C required


## Minimum

| Term 4 45-60 Credit Hours Critical course signified by ${ }^{\text {d }}$ | Hours | Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4. JUS 301: Research in Justice Studies (SB) | 3 | C | - Completing one of the following courses is critical at end of Term 4: ENG 215 Strategies of Academic Writing (L) OR ENG 216 Persuasive Writing on Public Issues (L) OR ENG 217 Writing Reflective Essays (L) OR ENG 218 Writing About Literature (L) OR ENG 301 Writing for the Professions (L) <br> - Upper Division Related Field or Discipline Specific Focus courses should be selected in consultation with the Justice Studies academic advising staff; minimum grade of C required <br> Notes <br> - 24 credit hours completed and 2.00 ASU cumulative GPA required to enroll in JUS 300-level elective courses <br> - Upper Division Related Field or Discipline Specific Focus courses should be selected in consultation with the Justice Studies academic advising staff; minimum grade of C required <br> - University Awareness Area courses (C,G,H) may be satisfiec by completing other university, college, and major requirements |
| 4 JUS 303: Justice Theory | 3 | C |  |
| Upper Division JUS Related Area or Discipline Specific Focus course | 3 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| 1. Minimum 2.50 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 5 61-76 Credit Hours Critical course signified by | Hours | Minimum Grade |  |
| JUS 3** Elective | 3 | C |  |
| JUS 3** Elective | 3 | C |  |
| Upper Division JUS Related Area or Discipline Specific Focus course | 3 | C |  |
| Natural Science - General (SG) OR <br> Natural Science - Quantitative (SQ) | 4 |  |  |
| Cultural Diversity in the U.S. (C) | 3 |  |  |
| Minimum 2.50 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 16 |  |  |


| Term 6 77-91 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| JUS 4** Elective AND <br> Literacy and Critical Inquiry (L) | 3 | C | - 24 credit hours completed and 2.00 ASU cumulative GPA required to enroll in JUS 300-level elective courses <br> - Upper Division Related Field or Discipline Specific Focus courses should be selected in consultation with the Justice Studies academic advising staff; minimum grade of C required <br> - University Awareness Area courses (C,G,H) may be satisfiec by completing other university, college, and major requirements |
| Upper Division JUS Related Area or Discipline Specific Focus course | 3 | C |  |
| Humanities, Fine Arts and Design (HU) OR Social and Behavioral Sciences (SB) | 3 |  |  |
| Global Awareness (G) | 3 |  |  |
| Elective | 3 |  |  |
| Minimum 2.50 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 15 |  |  |


| Term 7 92-105 Credit Hours | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| :---: | :---: | :---: | :---: |
| JUS 4** Elective | 6 | C | - 36 credit hours completed and 2.00 ASU cumulative GPA required to enroll in JUS 300-level elective courses <br> - Upper Division Related Field or Discipline Specific Focus courses should be selected in consultation with the Justice Studies academic advising staff; minimum grade of C required <br> - University Awareness Area courses (C,G,H) may be satisfiec by completing other university, college, and major requirements |
| Upper Division JUS Related Area or Discipline Specific Focus course | 3 | C |  |
| Historical Awareness (H) | 3 |  |  |
| Elective | 2 |  |  |
| Term hours subtotal: | 14 |  |  |


| Term 8 106-120 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| JUS 410: Punishment: Logic and Approach OR <br> JUS 430: Social Protest, Conflict, and Change ((L or SB) \& C) OR <br> JUS 435: Cinema and Justice OR <br> JUS 452: Justice Issues in Israel and Palestine: The Political is Personal OR <br> JUS 474: Legislation of Morality ((L or SB) \& C) OR <br> JUS 494: Relig,Violence \& Conflt Res OR <br> REL 494: Religion, Violence, and Conflict Resolution | 3 | C | - 36 credit hours completed and 2.50 ASU cumulative GPA required to enroll in JUS 400 -level elective courses |
| JUS 484: Internship OR Upper Division Elective | 3 |  |  |
| Complete 2 courses: <br> Upper Division Elective | 6 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |


| JUS Discipline Specific Focus Course | JUS Related Area Course |
| :---: | :---: |
| AFR/ AFS - African American Studies | Citizen, Migration, and Human Rights |
| AIS - American Indian Studies | Globalization, Sustainability, and Economic Justice |
| ASB/ ASM - Anthropology |  |
| ARS - Art History | Law, Policy, and Social Change |
| ARS Art History | Media, Technology, and Culture |
| APA - Asian Pacific American Studies | Social Identities and Communities |
| CED/ FAS - Child Development/ Family Studies |  |
| COM - Communication |  |
| DAH - Dance History |  |
| ECN - Economics |  |
| ENG - English Literature |  |
| FMS - Film and Media Studies |  |
| GCU/ GPH - Geography |  |
| SGS - Global Studies |  |
| HST - History |  |

Language Literature, i.e., SPA, FRE, GER,
etc.
MHL - Music History
PHI - Philosophy
POS - Political Science
PGS/ PSY - Psychology
REL - Religion
SOC - Sociology
THE - Theatre
TCL - Transborder Chicana/ Chicano and
Latina/ Latino Studies
WSH/ WST - Women and Gender Studies

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. At the far right side of the list, you will see which of the three science and society learning goals are filled by
individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Justice Studies, BS

College of Liberal Arts and Sciences
Campus:Online, Tempe
LAJUSBS

| Term 1 0-13 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement into a mathematics course <br> - Justice Studies BS students are required to complete MAT 142: College Mathematics or higher as a prerequisite for JUS 302: Basic Statistical Analysis in Justice Studies <br> - All freshmen are required to pass a First-Year Seminar and/or an academic success class and therefore must enroll in an Academic Success Cluster <br> - Scholarship students may need to take additional credits if required to complete a certain amount of credits each term |
| 4. JUS 105: Introduction to Justice Studies (SB) | 3 | C |  |
| LIA 194: Academic Success Seminar, Intro to Liberal Arts and Sciences, Introduction to Liberal Arts and Sciences Online OR <br> JUS 191: First-Year Seminar | 1 |  |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Elective | 3 |  |  |
| Minimum 2.50 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 13 |  |  |
| Term 2 14-29 Credit Hours | Hours | Minimum Grade | Notes |
| ENG 101 or ENG 102: First-Year Composition OR <br> ENG 105: Advanced First-Year Composition OR <br> ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| JUS Elective | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Elective | 3 |  |  |
| Minimum 2.50 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 3 30-45 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |

ENG 215: Strategies of Academic Writing (L) OR
ENG 216: Persuasive Writing on Public Issues (L) OR
ENG 217: Writing Reflective Essays (L) OR
ENG 218: Writing About Literature (L or HU) OR
ENG 301: Writing for the Professions (L)
Natural Science - Quantitative (SQ) OR 4
Natural Science - General (SG) 4

Upper Division JUS Related Area or Discipline Specific Focus course 3
Complete 2 courses:
6

## Elective

Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
Minimum 2.50 GPA ASU Cumulative.

- Completing one of the following courses is critical at end of Term 4: ENG 215 Strategies of Academic Writing (L) OR ENG 216 Persuasive Writing on Public Issues (L) OR ENG 217 Writing Reflective Essays (L) OR ENG 218 Writing About Literature (L) OR ENG 301 Writing for the Professions (L)
- Upper Division Related Field or Discipline Specific Focus courses should be selected in consultation with the Justice Studies academic advising staff; minimum grade of C required.
- Students are encouraged to complete one or two courses from JUS Core: JUS 301, JUS 302, and JUS 303 in Term 3.


| Term 5 61-75 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| JUS 3** Elective | 3 | C | - 24 credit hours completed and 2.00 ASU cumulative GPA required to enroll in JUS 300-level elective courses <br> - Upper Division Related Field or Discipline Specific Focus courses should be selected in consultation with the Justice Studies academic advising staff; minimum grade of C required <br> - University Awareness Area courses (C,G,H) may be satisfiec by completing other university, college, and major requirements |
| Upper Division JUS Related Area or Discipline Specific Focus course | 3 | C |  |
| Global Awareness (G) | 3 |  |  |
| CLAS Science and Society Elective | 3 | C |  |
| Elective | 3 |  |  |
| Minimum 2.50 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 15 |  |  |


| Term 6 76-90 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| JUS 3** Elective | 3 | C | - 24 credit hours completed and 2.00 ASU cumulative GPA required to enroll in JUS 300-level elective courses <br> - Upper Division Related Field or Discipline Specific Focus courses should be selected in consultation with the Justice Studies academic advising staff; minimum grade of C required <br> - University Awareness Area courses (C,G,H) may be satisfiec by completing other university, college, and major requirements |
| Upper Division JUS Related Area or Discipline Specific Focus course | 3 | C |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Cultural Diversity in the U.S. (C) | 3 |  |  |
| Elective | 3 |  |  |
| Minimum 2.50 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 15 |  |  |


| Term 7 91-105 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| Complete 2 courses: <br> JUS 4** Elective | 6 | C | - 36 credit hours completed and 2.50 ASU cumulative GPA required to enroll in JUS 400-level elective courses <br> - Upper Division Related Field or Discipline Specific Focus courses should be selected in consultation with the Justice Studies academic advising staff; minimum grade of C required |
| Upper Division JUS Related Area or Discipline Specific Focus course | 3 | C |  |
| Complete 2 courses: <br> Elective | 6 |  |  |
| Minimum 2.50 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 15 |  |  |


| Term 8 106-120 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| JUS 4** Elective | 3 | C | - 36 credit hours completed and 2.50 ASU cumulative GPA required to enroll in JUS 400-level elective courses |
| JUS 484: Internship OR Upper Division Elective | 3 | C |  |
| Complete 2 courses: <br> Upper Division Elective | 6 |  |  |
| Elective | 3 |  |  |
| Minimum 2.50 GPA ASU Cumulative. |  |  |  |
|  | 15 |  |  |

- A minimum of four courses/12 upper division ( 300 or 400 level) hours are required; selected in consultation with the Justice Studies academic advising staff; minimum grade of C required. While the Bachelor of Science in Justice Studies is a broad-based curriculum, the Justice Studies faculty require develop an academic emphasis outside the major. Students have two options to fulfill this requirement: Related Field (RF) or Discipline Specific Focus (DSF).
- Courses used for the Related Field or Discipline Specific Focus cannot be double-counted with the major (JUS), University General Studies, or Science \& Society requirements. However, to encourage students to pursue a minor, concentration or concurrent major, students will be allowed to double-count the RF or DSF courses with a minor, concentration or concurrent major.

| JUS Related Area Course | JUS Discipline Specific Focus Course |
| :---: | :---: |
| Citizen, Migration, and Human Rights | Upper Division AFR/AFS - African and African American Studies |
| Citizen, Migration, and Human Rights |  |
| Globalization, Sustainability, and Economic | Upper Division AIS - American Indian Studies |
| Justice | Upper Division ASB/ASM - Anthropology |
| Globalization, Sustainability, and Economic Justice |  |
|  | Upper Division ARS - Art History |
| Law, Policy, and Social Change | Upper Division APA - Asian Pacific American Studies |
| Law, Policy, and Social Change |  |
| Media, Technology, and Culture | Upper Division CED/FAS - Child Development/Family Studies |
| Media, Technology, and Culture | Upper Division COM - Human Communication |
| Social Identities and Communities |  |
|  | Upper Division DAH - Dance History |
|  | Upper Division ECN - Economics |
|  | Upper Division ENG - English Literature |
|  | Upper Division FMS - Film and Media Studies |
|  | Upper Division GCU/GPH - Geography |
|  | Upper Division SGS - Global Studies |
|  | Upper Division HST - History |
|  | Upper Division Language Literature - i.e. Spanish, French, German, etc. |
|  | Upper Division MHL - Music HIstory |
|  | Upper Division PHI - Philosophy |
|  | Upper Division POS - Political Science |
|  | Upper Division PGS/PSY - Psychology |
|  | Upper Division REL - Religious Studies |
|  | Upper Division SOC - Sociology |
|  | Upper Division THE - Theater Appreciation |
|  | Upper Division TCL - Transborder, Chicana/o, Latina/o Studies |
|  | Upper Division WSH/WST - Women \& Gender Studies |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division.A Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Mathematics, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAMATBA
$\left.\begin{array}{ll|l|l}\text { Term 1 } 10 \text { - } 15 \text { Credit Hours Critical course signified by }\end{array}\right)$

| Term 2 16-32 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming with Java (CS) | 3 | C | - Taking CSE 110 will allow the computer science requirement to be completed for the BA in Matr or to continue on with the computer science requirement needed for the BS in Math degree. <br> - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| 4 MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4-5 | C |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Maintain 2.80 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 17-18 |  |  |
| Term 3 33-45 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| 4. MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4-5 | C |  |
| Elective | 2 |  |  |
| Maintain 2.80 GPA in Critical Tracking Courses. |  |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| Term hours subtotal: | 13-14 |  |  |
| Term 4 46-62 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| MAT 243: Discrete Mathematical Structures OR MAT 300: Mathematical Structures (L) | 3 | C | - PHY 121/122 (SQ) advised for Natural Sciences requirement; |
| MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra | 3 | C | Natural Sciences requirement; also fulfills Related Field area. |
| Natural Science - Quantitative (SQ) | 4 |  | - Minimum grade of C required in all MAT and STP classes; grade |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  | of B or better strongly correlated with timely graduation. |


| Maintain 2.80 GPA in Critical Tracking Courses. |  |  |  |
| :---: | :---: | :---: | :---: |
| Term hours subtotal: | 17-18 |  |  |
| Term 5 63-78 Credit Hours | Hours | Minimum Grade | Notes |
| MAT 370: Intermediate Calculus OR MAT 371: Advanced Calculus I | 3 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. <br> - Second Language requirement completed. |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Natural Science - General (SG) OR <br> Natural Science - Quantitative (SQ) | 4 |  |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 6 79-93 Credit Hours | Hours | Minimum Grade | Notes |
| Complete 2 courses: <br> Upper Division MAT or STP Additional Course | 6 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| Related Area Course | 3 | C |  |
| MAT 300: Mathematical Structures (L) OR Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Upper Division Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR <br> Upper Division Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Upper Division Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) OR Upper Division Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR <br> Upper Division Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Upper Division Social and Behavioral Sciences (SB) AND Historical Awareness (H) |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 94-108 Credit Hours | Hours | Minimum Grade | Notes |
| Complete 2 courses: <br> Upper Division Related Area Course | 6 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| Upper Division MAT or STP Additional Course | 3 | C |  |
| Upper Division Elective | 6 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 109-120 Credit Hours | Hours | Minimum Grade | Notes |
| Upper Division MAT or STP Additional Course | 3 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| Upper Division Related Area Course | 3 | C |  |
| Complete 2 courses: Upper Division Elective | 6 |  |  |

Second Language: Requirement satisfied through the following:

* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV
OR
Elective
Maintain 2.80 GPA in Critical Tracking Courses.
- If MAT 243 is taken during semester 4, an Upper Division Literacy ( L ) must be taken in semester 6.

| MAT/STP Additional Course | Related Field |
| :---: | :---: |
| MAT 243: Discrete Mathematical Structures | AST Upper Division Elective |
| MAT 274: Elementary Differential Equations (MA) | BME Upper Division Elective |
|  | BCH 4** Elective |
| MAT 275: Modern Differential Equations (MA) | CHE Elective |
| MAT Upper Division Elective | CHM 341: Elementary Physical Chemistry |
| STP 326: Intermediate Probability (CS) | CHM 343: Physical Chemistry Laboratory |
| STP 4** Elective | CHM 345: Physical Chemistry I |
|  | CHM 346: Physical Chemistry II |


| CHM 348: Physical Chemistry Laboratory I (L) |
| :---: |
| CHM 349: Physical Chemistry Laboratory II (L) |
| CHM 453: Inorganic Chemistry |
| CHM 460: Biological Chemistry |
| CHM 471: Solid-State Chemistry |
| CEE Upper Division Elective |
| CIS 2** Elective |
| CIS Upper Division Elective |
| CSE Elective |
| ECN 312: Intermediate Microeconomic Theory (SB) |
| ECN 313: Intermediate Macroeconomic Theory (SB) |
| ECN 480: Introduction to Econometrics |
| ECN 485: Mathematical Economics |
| EEE Elective |
| FIN Upper Division Elective |
| GLG 418: Geophysics |
| GLG 419: Geodynamics |
| GLG 470: Hydrogeology |
| GLG 481: Geochemistry |
| IEE Upper Division Elective |
| MSE Elective |
| MAT Upper Division Elective |
| MAE Elective |
| PHI 333: Introduction to Symbolic Logic |
| PHY 121: University Physics I: Mechanics (SQ) |
| PHY 122: University Physics Laboratory I (SQ) |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) |
| PHY 132: University Physics Laboratory II (SQ) |
| PHY 150: Physics I (SQ) |
| PHY 151: Physics II (SQ) |
| PHY 2** Elective |
| PHY Upper Division Elective |
| STP Upper Division Elective |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division.Â Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.
- For a detailed list of courses applicable to the major (i.e. additional, depth, advanced requirements and related field coursework), please refer to the following website: http://math.asu.edu/undergraduate/ba_Math.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Mathematics, BS

College of Liberal Arts and Sciences
Campus:Tempe
LAMATBS

| Term 1 0-14 Credit Hours Critical course signified by 9 |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| 4 MAT 270: Calculus with Analytic Geometry I (MA) |  | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman student <br> - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| Elective |  | 6 |  |  |
| LIA 194: Intro to Liberal Arts and Sciences OR MAT 191: First-Year Seminar |  | 1 |  |  |
| Maintain 3.00 GPA in Critical Tracking Courses. |  |  |  |  |
|  | Term hours subtotal: | 14 |  |  |


| Term 2 15-30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1 CSE 110: Principles of Programming with Java (CS) | 3 | C | - CSE 110 will complete the Computer Science (CS) requirement and will count towards the Related Field area. <br> - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| 4 MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| Elective | 3 |  |  |
| Maintain 3.00 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 3 31-46 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| 4 CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | - CSE 110 is the direct prerequisite to CSE 205 |
| 4 MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Elective | 3 |  |  |
| Maintain 3.00 GPA in Critical Tracking Courses. |  |  |  |

Term hours subtotal: 16

| Term 4 47-62 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4 MAT 300: Mathematical Structures (L) | 3 | C | - PHY 121/122 (SQ) advised for Natural Science Requirement; also fulfills Related Field. <br> - Minimum cumulative 3.0 GPA in all critical courses. |
| MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |

- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.

| Term 5 63-78 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| MAT 371: Advanced Calculus I | 3 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| Upper Division Additional Course | 3 | C |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 6 79-93 Credit Hours | Hours | Minimum Grade | Notes |
| Upper Division Depth Course | 3 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| Upper Division Additional Course | 3 | C |  |
| Upper Division Related Area Course | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR <br> Upper Division Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Upper Division Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 94-108 Credit Hours | Hours | Minimum Grade | Notes |
| Upper Division Depth Course | 3 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| Upper Division Advanced Course | 3 | C |  |
| Upper Division Related Area Course | 3-0 | C |  |
| Complete 2 courses: Elective | 6 |  |  |
| Term hours subtotal: | 15-12 |  |  |
| Term 8 109-120 Credit Hours | Hours | Minimum Grade | Notes |
| Upper Division Advanced Course | 3 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| Upper Division Additional Course | 3 | C |  |
| Elective | 5 |  |  |
| Lower Division Related Area Course | 1-4 | C |  |
| Term hours subtotal: | 12-15 |  |  |


| Related Field | Depth Courses | Additional Courses |
| :---: | :---: | :---: |
| AST Upper Division Elective | MAT 415: Introduction to Combinatorics | MAT 243: Discrete Mathematical Structures |
| BME Upper Division Elective | MAT 416: Introduction to Graph Theory | MAT 274: Elementary Differential Equations (MA) |
| BCH 4** Elective | MAT 423: Numerical Analysis I (CS) |  |
| CHE Elective | MAT 425: Numerical Analysis II (CS) | MAT 275: Modern Differential Equations (MA) |
| CHM 341: Elementary Physical Chemistry | MAT 442: Advanced Linear Algebra | MAT 3** Elective |
| CHM 343: Physical Chemistry Laboratory | MAT 444: Intermediate Abstract Algebra | MAT 4** Elective |
| CHM 345: Physical Chemistry I | MAT 472: Intermediate Real Analysis I | STP 4** Elective |
| CHM 346: Physical Chemistry II | MAT 473: Intermediate Real Analysis II |  |
| CHM 348: Physical Chemistry Laboratory I (L) | MAT 475: Differential Equations |  |
| CHM 349: Physical Chemistry Laboratory II (L) | MAT 476: Partial Differential Equations STP 421: Probability |  |


| CHM 453: Inorganic Chemistry |
| :---: |
| CHM 460: Biological Chemistry |
| CHM 471: Solid-State Chemistry |
| CEE Upper Division Elective |
| CIS 2** Elective |
| CIS Upper Division Elective |
| CSE Elective |
| ECN 312: Intermediate Microeconomic Theory (SB) |
| ECN 313: Intermediate Macroeconomic Theory (SB) |
| ECN 480: Introduction to Econometrics |
| ECN 485: Mathematical Economics |
| EEE Elective |
| FIN Upper Division Elective |
| GLG 418: Geophysics |
| GLG 419: Geodynamics |
| GLG 470: Hydrogeology |
| GLG 481: Geochemistry |
| IEE Upper Division Elective |
| MSE Elective |
| MAT Upper Division Elective |
| MAE Elective |
| PHI 333: Introduction to Symbolic Logic |
| PHY 121: University Physics I: Mechanics (SQ) |
| PHY 122: University Physics Laboratory I (SQ) |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) |
| PHY 132: University Physics Laboratory II (SQ) |
| PHY 150: Physics I (SQ) |
| PHY 151: Physics II (SQ) |
| PHY 2** Elective |
| PHY Upper Division Elective |
| STP Upper Division Elective |
| Advanced Courses |
| MAT 372: Advanced Calculus II |
| MAT 410: Introduction to General Topology |
| MAT 415: Introduction to Combinatorics |
| MAT 416: Introduction to Graph Theory |
| MAT 419: Introduction to Linear Optimization (CS) |
| MAT 420: Scientific Computing |
| MAT 421: Applied Computational Methods (CS) |
| MAT 423: Numerical Analysis I (CS) |
| MAT 425: Numerical Analysis II (CS) |
| MAT 442: Advanced Linear Algebra |


| MAT 443: Introduction to Abstract Algebra |
| :---: |
| MAT 444: Intermediate Abstract Algebra |
| MAT 445: Theory of Numbers |
| MAT 451: Mathematical Modeling (CS) |
| MAT 452: Introduction to Chaos and Nonlinear Dynamics |
| MAT 461: Applied Complex Analysis |
| MAT 462: Applied Partial Differential Equations |
| MAT 472: Intermediate Real Analysis I |
| MAT 475: Differential Equations |
| MAT 476: Partial Differential Equations |
| STP 420: Introductory Applied Statistics (CS) |
| STP 421: Probability |
| STP 425: Stochastic Processes |
| STP 427: Mathematical Statistics |
| STP 429: Experimental Statistics (CS) |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. A Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum Hrs Resident Credit for Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Mathematics (Statistics), BS

College of Liberal Arts and Sciences
Campus:Tempe
LAMATTBS

| Term 1 0-14 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| 1 MAT 270: Calculus with Analytic Geometry I (MA) |  | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman student <br> - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences OR First-Year Seminar |  | 1 |  |  |
| Elective |  | 6 |  |  |
| Maintain 2.80 GPA in Critical Tracking Courses. |  |  |  |  |
|  | Term hours subtotal: | 14 |  |  |


| Term 2 15-30 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1. CSE 110: Principles of Programming with Java (CS) | 3 | C | - CSE 110 will complete the Computer Science (CS) requirement and will count towards the Related Field area. <br> - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| 4 MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |


| Term 3 31-46 Credit Hours Critical course signified by 9 | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1 CSE 205: Object-Oriented Programming and Data Structures (CS) | 3 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| 4 MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C |  |
| 1 STP 420: Introductory Applied Statistics (CS) | 3 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) | 3 |  |  |
| Maintain 2.80 GPA in Critical Tracking Courses. |  |  |  |
| 1. Complete First-Year Composition requirement. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 4 47-62 Credit Hours Critical course signified by 9 | Hours | Minimum Grade | Notes |
| 1. MAT 300: Mathematical Structures (L) | 3 | C | - PHY 121/122 (SQ) advised for Natural Sciences Requirement; also fulfills Related Field area. |
| MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra | 3 | C |  |


| 1. STP 429: Experimental Statistics (CS) |  |  | 3 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Natural Science - Quantitative (SQ) |  |  | 4 |  |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) |  |  | 3 |  |  |
| Maintain 2.80 GPA in Critical Tracking Courses. |  |  |  |  |  |
|  |  | Term hours subtotal: | 16 |  |  |
| Term 5 63-78 Credit Hours |  |  | Hours | Minimum Grade | Notes |
| MAT 371: Advanced Calculus I |  |  | 3 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| STP 421: Probability |  |  | 3 | C |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) |  |  | 4 |  |  |
| Humanities, Fine Arts and Design (HU) |  |  | 3 |  |  |
| Upper Division CLAS Science and Society Elective |  |  | 3 | C |  |
|  |  | Term hours subtotal: | 16 |  |  |
| Term 6 79-93 Credit Hours |  |  | Hours | Minimum Grade | Notes |
| STP 427: Mathematical Statistics |  |  | 3 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| Upper Division MAT or STP Advanced Cours |  |  | 3 | C |  |
| Upper Division CLAS Science and Society E | ctive |  | 3 | C |  |
| Upper Division Humanities, Fine Arts and D Upper Division Social and Behavioral Sciences | $\begin{aligned} & \operatorname{ign}(\mathrm{HU}) \text { OR } \\ & \mathrm{s} \text { (SB) } \end{aligned}$ |  | 3 |  |  |
| Upper Division Elective |  |  | 3 |  |  |
|  |  | Term hours subtotal: | 15 |  |  |
| Term 7 94-108 Credit Hours |  |  | Hours | Minimum Grade | Notes |
| Upper Division MAT or STP Advanced Cou MAT 274: Elementary Differential Equation MAT 275: Modern Differential Equations (M |  |  | 3 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| Complete 2 courses: Related Area Course |  |  | 7 | C |  |
| Upper Division Elective |  |  | 3 |  |  |
| Elective |  |  | 2 |  |  |
|  |  | Term hours subtotal: | 15 |  |  |
| Term 8 109-120 Credit Hours |  |  | Hours | Minimum Grade | Notes |
| Upper Division MAT or STP Advanced Cours |  |  | 3 | C | - Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. |
| Upper Division Related Area Course |  |  | 3 | C |  |
| Elective |  |  | 6 |  |  |
| Term hours subtotal: |  |  | 12 |  |  |
| MAT or STP Advanced Courses | Related Field |  |  |  |  |
| MAT 274: Elementary Differential Equations (MA) | AST Upper D | Elective |  |  |  |
| MAT 275: Modern Differential Equations (MA) | BME Upper Division Elective |  |  |  |  |
|  | BCH 4** Ele |  |  |  |  |
| MAT 372: Advanced Calculus II | CHE Electiv |  |  |  |  |
| MAT 442: Advanced Linear Algebra | CHM 341: E | ary Physical Chemistry |  |  |  |
| STP 425: Stochastic Processes | CHM 343: P | Chemistry Laboratory |  |  |  |
|  | CHM 345: P | Chemistry I |  |  |  |
|  | CHM 346: P | Chemistry II |  |  |  |
|  | CHM 348: P <br> (L) | Chemistry Laboratory |  |  |  |


| CHM 349: Physical Chemistry Laboratory II (L) |
| :---: |
| CHM 453: Inorganic Chemistry |
| CHM 460: Biological Chemistry |
| CHM 471: Solid-State Chemistry |
| CEE Upper Division Elective |
| CIS 2** Elective |
| CIS Upper Division Elective |
| CSE Elective |
| ECN 312: Intermediate Microeconomic Theory (SB) |
| ECN 313: Intermediate Macroeconomic Theory (SB) |
| ECN 480: Introduction to Econometrics |
| ECN 485: Mathematical Economics |
| EEE Elective |
| FIN Upper Division Elective |
| GLG 418: Geophysics |
| GLG 419: Geodynamics |
| GLG 470: Hydrogeology |
| GLG 481: Geochemistry |
| IEE Upper Division Elective |
| MSE Elective |
| MAT Upper Division Elective |
| MAE Elective |
| PHI 333: Introduction to Symbolic Logic |
| PHY 121: University Physics I: Mechanics (SQ) |
| PHY 122: University Physics Laboratory I (SQ) |
| PHY 131: University Physics II: Electricity and Magnetism (SQ) |
| PHY 132: University Physics Laboratory II (SQ) |
| PHY 150: Physics I (SQ) |
| PHY 151: Physics II (SQ) |
| PHY 2** Elective |
| PHY Upper Division Elective |
| STP Upper Division Elective |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. Â At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. A Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.
- For a detailed list of courses applicable to the major (i.e. additional, depth, advanced requirements and related field coursework), please refer to the following website: http://math.asu.edu/undergraduate/statistics.html.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Microbiology, BS

College of Liberal Arts and Sciences
Campus:Tempe
LAMICBS

| Term 1 0-15 Credit Hours Critical course signified by |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| BIO 100: The Living World (SQ) OR BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) |  | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - CHM 113 must be completed by end of term 2 <br> - If student tests into MAT 106 then BIO 100 is recommended |
| CHM 113: General Chemistry I (SQ) OR Social and Behavioral Sciences (SB) OR Humanities, Fine Arts and Design (HU) |  | 4-3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| STP 231: Statistics for Life Science (CS) |  | 3 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences |  | 1 |  |  |
|  | Term hours subtotal: | 15-14 |  |  |


| Term 2 16-32 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) | 4 | C | - CHM 116 must be completed by end of term 3 |
| CHM 113: General Chemistry I (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 251: Calculus for Life Sciences (MA) OR MAT 170: Precalculus (MA) | 3 | C |  |
| Social and Behavioral Sciences (SB) AND Global Awareness (G) OR <br> Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| 4 Complete CHM 113 course(s). |  |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 3 33-45 Credit Hours Critical course signified by ${ }^{\text {P }}$ | Hours | Minimum Grade | Notes |
| BIO 181: General Biology I (SQ) OR <br> BIO 182: General Biology II (SG) OR <br> MIC 220: Biology of Microorganisms AND <br> MIC 206: Microbiology Laboratory (SG) | 4 | C | - If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following <br> - If CHM 231 and 235 are taken, then BCH 361 and 367 must be taken the following semester |
| CHM 116: General Chemistry II (SQ) OR <br> CHM 233: General Organic Chemistry I AND <br> CHM 237: General Organic Chemistry Laboratory I OR <br> CHM 231: Elementary Organic Chemistry (SQ) AND <br> CHM 235: Elementary Organic Chemistry Laboratory (SQ) | 3 | C |  |
| MAT 251: Calculus for Life Sciences (MA) OR <br> Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR <br> Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 | C |  |
| CLAS Science and Society Elective OR BIO 340: Fundamentals of Genetics | 3-4 | C |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| 4 Complete CHM 116 course(s). |  |  |  |
| Term hours subtotal: | 13-14 |  |  |
| Minimum |  |  |  |


| Term 4 46-62 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4. BIO 340: Fundamentals of Genetics | 4 | C | - If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following <br> - If CHM 231 and 235 are taken, then BCH 361 and 367 must be taken the following semester |
| MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) | 4 | C |  |
| CHM 234: General Organic Chemistry II AND <br> CHM 238: General Organic Chemistry Laboratory II OR <br> CHM 231: Elementary Organic Chemistry (SQ) AND <br> CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR <br> CHM 233: General Organic Chemistry I AND <br> CHM 237: General Organic Chemistry Laboratory I OR <br> Elective OR <br> BCH 361: Principles of Biochemistry AND <br> BCH 367: Elementary Biochemistry Laboratory | 3-4 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) OR Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Term hours subtotal: | 17-18 |  |  |
| Term 5 63-77 Credit Hours | Hours | Minimum Grade | Notes |
| MIC 302: Advanced Bacteriology Laboratory (L) | 2 | C | - If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following <br> - If CHM 231 and 235 are taken, then BCH 361 and 367 must be taken the following semester |
| MIC 360: Bacterial Physiology | 3 | C |  |
| PHY 101: Introduction to Physics (SQ) OR <br> PHY 111: General Physics (SQ) AND <br> PHY 113: General Physics Laboratory (SQ) | 4 | C |  |
| Upper Division Major Core Elective Course | 3 | C |  |
| Social and Behavioral Sciences (SB) OR <br> Humanities, Fine Arts and Design (HU) OR <br> CHM 234: General Organic Chemistry II AND <br> CHM 238: General Organic Chemistry Laboratory II OR <br> BCH 361: Principles of Biochemistry AND <br> BCH 367: Elementary Biochemistry Laboratory | 3-4 | C |  |
| Term hours subtotal: | 15-16 |  |  |
| Term 6 78-93 Credit Hours | Hours | Minimum Grade | Notes |
| Upper Division Major Core Elective Lab Course | 3-1 | C |  |
| Upper Division Major Microbiology/Immunology Elective Course | 3-4 | C |  |
| PHY 112: General Physics (SQ) AND <br> PHY 114: General Physics Laboratory (SQ) OR <br> PHY 101: Introduction to Physics (SQ) OR Elective | 3-4 | C |  |
| BCH 361: Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory | 4 | C |  |
| Upper Division Social and Behavioral Sciences (SB) OR Upper Division Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 7 94-108 Credit Hours | Hours | Minimum Grade | Notes |
| Upper Division Major General Biology Elective Course | 3-4 | C |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Complete 2 courses: Upper Division Elective | 6 |  |  |
| CLAS Science and Society Elective OR Elective | 3 | C |  |
| Term hours subtotal: | 15-16 |  |  |
| Term 8 109-120 Credit Hours | Hours | Minimum Grade | Notes |
| MIC 401: RP:Senior Research Paper (L) | 1 | C |  |
| Upper Division Major Microbiology/ Immunology Elective Course OR Upper Division Major General Biology Elective Course | 2-4 | C |  |
| Upper Division Major Microbiology/ Immunology Elective Course OR Upper Division Major General Biology Elective Course OR Upper Division Elective | 3 | C |  |
| Complete 2 courses: Upper Division Elective | 6 |  |  |
| Term hours subtotal: $\quad 12-14$ <br> Academic Catalog Archive 2011-2012 1334 |  |  |  |

Page 2

| Major General Biology Electives Courses |  | Major Microbiology/Immunology Electives <br> Courses |  |
| :--- | :--- | :--- | :--- |
|  | Major Core Electives Courses |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. A When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Molecular Biosciences/Biotechnology, BS

College of Liberal Arts and Sciences
Campus:Tempe
LAMBBBS

| Term 1 0-14 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| CHM 113: General Chemistry I (SQ) | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - An ASU Math Placement on ALEKS of a 50 or higher is needed to start in CHM 113 |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| STP 231: Statistics for Life Science (CS) | 3 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences | 1 |  |  |
| Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-30 Credit Hours Critical course signified by 4 | Hours | Minimum Grade | Notes |
| CHM 113: General Chemistry I (SQ) OR CHM 116: General Chemistry II (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 251: Calculus for Life Sciences (MA) | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR <br> Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR <br> Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Elective | 3 |  |  |
| 4 Complete CHM 113 course(s). |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 3 31-44 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| CHM 116: General Chemistry II (SQ) OR <br> CHM 231: Elementary Organic Chemistry (SQ) AND <br> CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR <br> CHM 233: General Organic Chemistry I AND <br> CHM 237: General Organic Chemistry Laboratory I | 4 | C |  |
| 4 MBB 245: Principles of Molecular and Cellular Biology I (SQ) | 4 | C |  |
| Social and Behavioral Sciences (SB) AND Global Awareness (G) OR Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social and Behavioral Sciences (SB) AND Historical Awareness (H) | 3 |  |  |
| CLAS Science and Society Elective | 3 | C |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| 4 Complete CHM 116 course(s). |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 4 45-59 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| 1 MBB 247: Principles of Molecular and Cellular Biology II | 4 | C |  |
| MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) | 4 | C |  |

CHM 234: General Organic Chemistry II AND
CHM 238: General Organic Chemistry Laboratory II OR
CHM 231: Elementary Organic Chemistry (SQ) AND
CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR
CHM 233: General Organic Chemistry I AND
CHM 237: General Organic Chemistry Laboratory I
Humanities, Fine Arts and Design (HU) 3
Term hours subtotal: 15

| Term 5 60-74 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| BIO 340: Fundamentals of Genetics | 4 | C |  |
| MBB 343: Genetic Engineering and Society (L) | 4 | C |  |
| PHY 111: General Physics (SQ) AND <br> PHY 113: General Physics Laboratory (SQ) | 4 | C |  |
| Upper Division Elective OR <br> CHM 234: General Organic Chemistry II AND <br> CHM 238: General Organic Chemistry Laboratory II | 3-4 | C |  |




## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division.Â Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. Â When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend
General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Philosophy, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAPHIBA

| Term 1 0-16 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students |
| LIA 194: Intro to Liberal Arts and Sciences OR UNI 194: Academic Success Seminar OR First-Year Seminar | 1 |  |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| PHI 103: Principles of Sound Reasoning (L or HU) OR PHI Elective | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Elective | 2 |  |  |
| Maintain 2.00 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 2 17-30 Credit Hours | Hours | Minimum Grade | Notes |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| 4 PHI Elective | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Maintain 2.00 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 3 31-46 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| PHI Elective | 3 | C |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Global Awareness (G) | 3 |  |  |
| Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) | 3 |  |  |
| Maintain 2.00 GPA in Critical Tracking Courses. |  |  |  |
| Complete First-Year Composition requirement. |  |  |  |
| Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 4 47-60 Credit Hours Critical course signified by ${ }^{\text {4 }}$ | Hours | Minimum Grade | Notes |
| 1. PHI 300: Philosophical Argument and Exposition (L) | 3 | C | - PHI 300 is open to Philosophy majors only, student must meet with advisor prior to enrolling |
| Natural Science - General (SG) OR <br> Natural Science - Quantitative (SQ) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Maintain 2.00 GPA in Critical Tracking Courses. |  |  |  |


| Term 5 61-75 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| PHI 301: History of Ancient Philosophy (HU \& H) |  | 3 | C |  |
| PHI 312: Theory of Knowledge (HU) OR <br> PHI 314: Philosophy of Science (HU) OR <br> PHI 315: Philosophy of Language (HU) OR <br> PHI 316: Metaphysics (HU) OR <br> PHI 317: Philosophy of Mind (HU) |  | 3 | C |  |
| PHI 333: Introduction to Symbolic Logic |  | 3 | C |  |
| Complete 2 courses: Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours |  | Hours | Minimum Grade | Notes |
| PHI 302: History of Modern Philosophy (HU \& H) |  | 3 | C |  |
| PHI 312: Theory of Knowledge (HU) OR PHI 314: Philosophy of Science (HU) OR PHI 315: Philosophy of Language (HU) OR PHI 316: Metaphysics (HU) OR PHI 317: Philosophy of Mind (HU) |  | 3 | C |  |
| PHI Elective |  | 3 | C |  |
| Literacy and Critical Inquiry (L) |  | 3 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours |  | Hours | Minimum Grade | Notes |
| PHI 305: Ethical Theory (HU) OR PHI 335: History of Ethics (HU) |  | 3 | C |  |
| PHI 401: Rationalism OR <br> PHI 402: Empiricism (HU) OR <br> PHI 403: Contemporary Analytic Philosophy (HU) OR <br> PHI 413: Advanced Symbolic Logic OR <br> PHI 420: Topics in Philosophy |  | 3 | C |  |
| PHI Upper Division Elective |  | 3 | C |  |
| Complete 2 courses: Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| PHI 401: Rationalism OR <br> PHI 402: Empiricism (HU) OR <br> PHI 403: Contemporary Analytic Philosophy (HU) OR <br> PHI 413: Advanced Symbolic Logic OR <br> PHI 420: Topics in Philosophy |  | 3 | C |  |
| PHI Upper Division Elective |  | 3 | C |  |
| Complete 3 courses: <br> Upper Division Elective |  | 9 |  |  |
|  | Term hours subtotal: | 15 |  |  |

## Notes:

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Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Physics, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAPHYBA

| Term 1 0-15 Credit Hours Critical course signified by ${ }^{\text {P }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1 MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students <br> - PHY 121/122 and 131/132 may be used in place of PHY 150 and 151 |
| CHM 113: General Chemistry I (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| LIA 194: Academic Success Seminar OR <br> PHY 191: First-Year Seminar | 1 |  |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Maintain 2.00 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 15 |  |  |


| Term 2 16-30 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4 MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C | - PHY 121/122 and 131/132 may be used in place of PHY 150 and 151 |
| 4 PHY 150: Physics I (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Maintain 2.00 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 3 31-45 Credit Hours Critical course signified by ${ }^{\text {d }}$ | Hours | Minimum Grade | Notes |
| 4 MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C | - PHY 121/122 and 131/132 may be used in place of PHY 150 and 151 |
| 4 PHY 151: Physics II (SQ) | 4 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Social and Behavioral Sciences (SB) AND Global Awareness (G) | 3 |  |  |
| Maintain 2.00 GPA in Critical Tracking Courses. |  |  |  |
| 9. Complete First-Year Composition requirement. |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 4 46-62 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |


| 252: Physics III (SQ) | 4 | C | - PHY 121/122 and 131/132 may be used in place of PHY 150 and 151 <br> - A grade of C must be earned in the 4th semester language course (usually 202) |
| :---: | :---: | :---: | :---: |
| PHY 201: Mathematical Methods in Physics I (CS) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |


| Term 5 63-78 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| PHY 302: Mathematical Methods in Physics II | 3 | C |  |
| PHY 310: Classical Particles, Fields, and Matter I | 3 | C |  |
| PHY 314: Quantum Physics I | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 6 79-93 Credit Hours | Hours | Minimum Grade | Notes |
| PHY 311: Classical Particles, Fields, and Matter II | 3 | C | - PHY Breadth Course must be approved by the Physics advisor. |
| Upper Division PHY Breadth Course | 3 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Complete 2 courses: Upper Division Elective | 6 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 94-108 Credit Hours | Hours | Minimum Grade | Notes |
| Upper Division PHY Breadth Course | 3 | C | - PHY Breadth Course must be approved by the Physics advisor. |
| Complete 4 courses: <br> Upper Division Elective | 12 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 109-120 Credit Hours | Hours | Minimum Grade | Notes |
| Complete 2 courses: <br> Upper Division Elective | 6 |  |  |
| Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Lower Division Elective | 3 |  |  |
| Term hours subtotal: | 12 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.A A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. Â At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. A Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)


## General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

## 2011-2012 Major Map Physics, BS

College of Liberal Arts and Sciences
Campus:Tempe
LAPHYBS

| Term 1 0-14 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1 MAT 270: Calculus with Analytic Geometry I (MA) | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - All freshman must pass on academic success course and therefore must enroll in an Academic Success Cluster or First Year Seminar |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| LIA 194: Academic Success Seminar OR PHY 191: First-Year Seminar | 1 |  |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Maintain 2.00 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-28 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| 4 MAT 271: Calculus with Analytic Geometry II (MA) | 4 | C | - PHY $121 / 122$ and $131 / 132$ may be used in place of PHY 150 and 151 |
| 4 PHY 150: Physics I (SQ) | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Maintain 2.00 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 3 29-45 Credit Hours Critical course signified by 9 | Hours | Minimum Grade | Notes |
| 4 MAT 272: Calculus with Analytic Geometry III (MA) | 4 | C | - PHY 121/122 and 131/132 may be used in place of PHY 150 and 151 |
| 4 PHY 151: Physics II (SQ) | 4 | C |  |
| CLAS Science and Society Elective | 3 | C |  |
| Elective | 3 |  |  |
| Social and Behavioral Sciences (SB) AND Global Awareness (G) | 3 |  |  |

Maintain 2.00 GPA in Critical Tracking Courses.
Term hours subtotal: 17

| Term 4 46-61 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4 PHY 252: Physics III (SQ) | 4 | C | - PHY 333 is OPTIONAL. <br> Students must choose one of two possible two-course lab sequences: PHY 333 and PHY 334 OR PHY 334 and PHY 465. |
| PHY 201: Mathematical Methods in Physics I (CS) | 3 | C |  |
| PHY 333: Electronic Circuits and Measurements | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) | 3 |  |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Maintain 2.00 GPA in Critical Tracking Courses. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 5 62-76 Credit Hours | Hours | Minimum Grade | Notes |


| PHY 302: Mathematical Methods in Physics II |  | 3 | C |  |
| :---: | :---: | :---: | :---: | :---: |
| PHY 310: Classical Particles, Fields, and Matter I |  | 3 | C |  |
| PHY 314: Quantum Physics I |  | 3 | C |  |
| Complete 2 courses: Elective |  | 3 |  |  |
| Upper Division Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 77-91 Credit Hours |  | Hours | Minimum Grade | Notes |
| PHY 311: Classical Particles, Fields, and Matter II |  | 3 | C | - PHY 334 is REQUIRED. <br> Students must choose one of two possible two-course lab sequences: PHY 333 and PHY 334 OR PHY 334 and PHY 465. |
| PHY 315: Quantum Physics II |  | 3 | C |  |
| PHY 334: Advanced Laboratory I (L) |  | 3 | C |  |
| Literacy and Critical Inquiry (L) |  | 3 |  |  |
| Upper Division Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 92-106 Credit Hours |  | Hours | Minimum Grade | Notes |
| PHY 412: Classical Particles, Fields, and Matter III OR PHY 416: Quantum Physics III |  | 3 | C |  |
| PHY 441: Statistical and Thermal Physics |  | 3 | C |  |
| Complete 2 courses: Elective |  | 6 |  |  |
| Upper Division Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 107-121 Credit Hours |  | Hours | Minimum Grade | Notes |
| PHY 465: Advanced Laboratory II |  | 3 | C | - PHY 465 is OPTIONAL. <br> Students must choose one of two possible two-course lab |
| PHY Upper Division Elective |  | 3 | C |  |
| Upper Division Elective |  | 3 |  |  |
| Elective |  | 3 |  | sequences: PHY 333 and PHY 334 OR PHY 334 and PHY 465. |
| Upper Division Literacy and Critical Inquiry (L) |  | 3 |  | - PHY Upper Division Elective needs Physics advisor approval. |
|  | Term hours subtotal: | 15 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division.A Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 121
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

## 2011-2012 Major Map <br> Political Science, BA

College of Liberal Arts and Sciences
Campus:Online, Tempe
LAPOSBA

| Term 1 0-14 Credit Hours Critical course signified b | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB \& G) OR POS 160: Global Politics (SB \& G) | 3 | C | - Choose only 1 course: POS 110, POS 150, or POS 160 for Term 1 <br> - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement into a mathematics course <br> - MAT 142: College Mathematics or higher MA will satisfy requirement <br> - All freshmen are required to pass a First-Year Seminar and/or an academic success class and therefore must enroll in an Academic Success Cluster <br> - Consult with an academic advisor to determine second language proficiency <br> - Scholarship students may need to take additional credits if required to complete a certain amount of credits each term |
| ENG 101 or ENG 102: First-Year Composition OR <br> ENG 105: Advanced First-Year Composition OR <br> ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| POS 191: First-Year Seminar | 1 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Term hours subtotal: | 14 |  |  |

$\left.\begin{array}{llll}\text { Term } 2 \text { 2 } 15-28 \text { Credit Hours Critical course signified by }\end{array}\right)$

| Term 4 45-59 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| POS Elective | 3 | C | - Complete all critical courses by the end of Term 4 <br> - Political Science related area course options: AES, AFH, AFR, AFS, AIS, APA, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, HIS, JUS, MIS, PGS, PHI, PSY, REL, SGS, SOC, TCL, WSH, WST <br> - If Second Language at the 202 is completed, take an elective |
| POS Upper Division Elective | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 3-4 | C |  |
| Related Area Course | 3 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Term hours subtotal: | 15-16 |  |  |
|  |  |  |  |
| Term 5 60-75 Credit Hours | Hours | Minimum Grade | Notes |
| POS 301: Empirical Political Inquiry (SB) | 3 | C | - Political Science related area course options: AES, AFH, AFR, AFS, AIS, APA, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, HIS, JUS, MIS, PGS, PHI, PSY, REL, SGS, SOC, TCL, WSH, WST <br> - If Literacy and Critical Inquiry (L) is completed, take an elective |
| Related Area Course | 6 | C |  |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| $\begin{aligned} & \text { Natural Science - Quantitative (SQ) OR } \\ & \text { Natural Science - General (SG) } \end{aligned}$ | 4 |  |  |
| Term hours subtotal: | 16 |  |  |
|  |  |  |  |


| Term 6 76-90 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| POS Upper Division Elective |  | 3 | C | - Political Science related area course options: AES, AFH, AFR, AFS, AIS, APA, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, HIS, JUS, MIS, PGS, PHI, PSY, REL, SGS, SOC, TCL, WSH, WST <br> If 45 hours upper-division coursework has been satisfied then the general electives can be upper or lower division |
| POS 484: Internship OR POS Upper Division Elective |  | 3 | C |  |
| Related Area Course |  | 3 | C |  |
| Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |


| Term 7 91-105 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| POS Upper Division Elective |  | 3 | C | - If Cultural Diversity in the U.S. (C) requirement is completed, take an elective <br> - If Upper-Division Literacy and Critical Inquiry (L) requirement is completed, take an Upper-Division general elective <br> - If 45 hours upper-division coursework has been satisfied then the general electives can be upper or lower division <br> - There is room in one's program of study for a concurrent degree, minor, or certificate |
| Cultural Diversity in the U.S. (C) |  | 3 |  |  |
| Upper Division Literacy and Critical Inquiry (L) |  | 3 |  |  |
| Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |


| Term 8 106-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| Upper Division Elective |  | 15 |  | - If 45 hours upper-division coursework has been satisfied then the general electives can be upper or lower division <br> - There is room in one's program of study for a concurrent degree, minor, or certificate |
|  | Term hours subtotal: | 15 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map <br> Political Science, BS

College of Liberal Arts and Sciences
Campus:Online, Tempe
LAPOSBS

| Term 1 0-13 Credit Hours Critical course signified by |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| POS 110: Government and Politics (SB) OR <br> POS 150: Comparative Government (SB \& G) OR POS 160: Global Politics (SB \& G) |  | 3 | C | - Choose only 1 course: POS 110, POS 150, or POS 160 for Term 1 <br> - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement into a mathematics course <br> - MAT 142: College Mathematics or higher MA will satisfy requirement <br> - All freshmen are required to pass a First-Year Seminar and/or an academic success class and therefore must enroll in an Academic Success Cluster <br> - Scholarship students may need to take additional credits if required to complete a certain amount of credits each term |
| ENG 101 or ENG 102: First-Year Composition OR <br> ENG 105: Advanced First-Year Composition OR <br> ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| MAT 142: College Mathematics (MA) |  | 3 | C |  |
| POS 191: First-Year Seminar |  | 1 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 13 |  |  |


| Term 2 14-29 Credit Hours Critical course signified by ${ }^{(1)}$ |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| POS 110: Government and Politics (SB) AND <br> POS 150: Comparative Government (SB \& G) OR POS 160: Global Politics (SB \& G) |  | 3 | C | - If POS 110 has been completed, choose 1 course: POS 150 or POS 160 for Term 2; If POS 150 or POS 160 has been completed, POS 110 must be taken in Term 2. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| Related Area Course |  | 3 | C |  |
| Natural Science - Quantitative (SQ) |  | 4 |  | - Political Science related area course options: AES, AFH, |
| Elective |  | 3 |  | AFR, AFS, AIS, APA, ASB, |
|  | Term hours subtotal: | 16 |  | ASM, COM, ECN, FAS, GCU, GPH, HST, HIS, JUS, MIS, PGS, PHI, PSY, REL, SGS, SOC, TCL, WSH, WST |


| Term 3 30-44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4 POS 210: Political Ideologies (SB) | 3 | C | - Political Science related area course options: AES, AFH, AFR, AFS, AIS, APA, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, HIS, JUS, MIS, PGS, PHI, PSY, REL, SGS, SOC, TCL, WSH, WST |
| POS Elective | 3 | C |  |
| Related Area Course | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Elective | 3 |  |  |
| 4. Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 4 45-60 Credit Hours | Hours | Minimum Grade | Notes |
| POS Elective | 3 | C |  |


| Related Area Course | 6 | C |
| :--- | :---: | :---: |
| Humanities, Fine Arts and Design (HU) | 3 |  |
| Natural Science - Quantitative (SQ) OR |  | 4 |
| Natural Science - General (SG) | Term hours subtotal: | 16 |

- Complete all critical courses by the end of Term 4
- Political Science related area course options: AES, AFH, AFR, AFS, AIS, APA, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, HIS, JUS, MIS, PGS, PHI, PSY, REL, SGS, SOC, TCL, WSH, WST

| Term 5 61-75 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| POS 301: Empirical Political Inquiry (SB) |  | 3 | C | - If Literacy and Critical Inquiry (L) requirement is completed, take a general elective <br> - See Notes below regarding CLAS Science and Society requirements and website |
| POS Upper Division Elective |  | 3 | C |  |
| Upper Division CLAS Science and Society Elective |  | 3 | C |  |
| Literacy and Critical Inquiry (L) |  | 3 |  |  |
| Upper Division Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours |  | Hours | Minimum Grade | Notes |
| POS 401: Political Statistics (CS) |  | 3 | C | - See Notes below regarding CLAS Science and Society requirements and website |
| POS Upper Division Elective |  | 3 | C |  |
| POS 484: Internship OR POS Upper Division Elective |  | 3 | C |  |
| Upper Division CLAS Science and Society Elective |  | 3 | C |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours |  | Hours | Minimum Grade | Notes |
| POS Upper Division Elective |  | 3 | C | - If Cultural Diversity in the U.S. (C) requirement is completed, take an elective <br> - If Upper-Division Literacy and Critical Inquiry (L) requirement is completed, take an Upper-Division general elective <br> - If 45 hours upper-division coursework has been satisfied then the general electives can be upper or lower division <br> - There is room in one's program of study for a concurrent degree, minor, or certificate |
| Cultural Diversity in the U.S. (C) |  | 3 |  |  |
| Upper Division Literacy and Critical Inquiry (L) |  | 3 |  |  |
| Upper Division Elective |  | 3 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |


| Term 8 | $106-120$ Credit Hours | Hours | Minimum <br> Grade | Notes |
| :--- | :--- | :---: | :---: | :---: |
| POS Upper Division Elective | 3 | C |  |  |
| Upper Division Elective |  | 9 |  | - If 45 hours upper-division |
| coursework has been satisfied |  |  |  |  |
| then the general electives can be |  |  |  |  |
| upper or lower division |  |  |  |  |

[^3]202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.

- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. $\hat{A}$ At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Psychology, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAPGSBA

| Term 1 0-14 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into First-Year Composition courses. <br> - The Math Placement Exam score determines placement into Math. <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. LIA 194 or a 191 level course offered by the College of Liberal Arts and Sciences. <br> - Languages offered: http://silc.asu.edu/languages |
| 4 MAT 170: Precalculus (MA) | 3 | C |  |
| 4 PGS 101: Introduction to Psychology (SB) | 3 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences OR First-Year Seminar | 1 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-30 Credit Hours Critical course signified by | Hours | $\begin{gathered} \text { Minimum } \\ \text { Grade } \end{gathered}$ | Notes |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - If the FYC requirement is completed - PGS/PSY course (NOT PGS 194, PGS 270) or a University Elective. See Note 4 below in Additional Notes concerning Additional Psychology Courses: <br> - MAT 170 must be completed by the end of Term 2. If MAT 170 is completed: University Elective. <br> - If Second Language requirement is completed - University Elective. <br> - See Note 1 below in additional notes concerning Foundations of Behavior. |
| MAT 170: Precalculus (MA) OR Elective | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Elective | 3 |  |  |
| Humanities, Fine Arts and Design (HU) OR Cultural Diversity in the U.S. (C) OR Global Awareness (G) OR Historical Awareness (H) OR Foundations of Behavior Course | 3 | C |  |
| Term hours subtotal: | 16 |  |  |


| Term 3 31-44 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1. PSY 230: Introduction to Statistics (CS) | 3 | C | - First Year Composition must be completed by end of Term 3. If the FYC requirement is completed - PGS/PSY courses (NOT PGS 194, PGS 270) or a University elective. Se Note 4 below in additional notes concerning Additional Psychology Courses. <br> - If the Second Language requirement is complete University elective. |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Humanities, Fine Arts and Design (HU) OR Cultural Diversity in the U.S. (C) OR <br> Global Awareness (G) OR <br> Historical Awareness (H) OR <br> Foundations of Behavior Course | 3 | C |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 4 45-59 Credit Hours Critical course signified by ${ }^{\text {d }}$ | Hours | Minimum Grade | Notes |
| 4 PSY 290: Research Methods (L or SG) | 4 | C | - If the Second Language requirement is complete University Elective. |

Second Language: Requirement satisfied through the following:

* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

| Elective | 4 |  |
| :--- | :--- | :--- |
| Humanities, Fine Arts and Design (HU) OR |  |  |
| Cultural Diversity in the U.S. (C) OR | 3 | C |
| Global Awareness (G) OR |  |  |
| Historical Awareness (H) OR |  |  |
| Foundations of Behavior Course |  |  |

Term hours subtotal: 15

| Term 5 60-75 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| Upper Division Breadth within Psychology AND Upper Division Social and Behavioral Sciences (SB) |  | 3 | C | - See Note 2 below in additional notes concerning Breadth within Psychology. <br> - See Note 1 below in additional notes concerning Foundations of Behavior. If HU, Awareness Areas, and Foundation of Behavior are completed - Upper Division (300-400 level) University Elective. <br> - See Note 5 below in additional notes concerning the Upper Division Psychology Residency Requirement. |
| Upper Division Breadth within Psychology |  | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR <br> Upper Division Cultural Diversity in the U.S. (C) OR <br> Upper Division Global Awareness (G) OR <br> Upper Division Historical Awareness (H) OR <br> Upper Division Foundations of Behavior Course |  | 3 | C |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) |  | 4 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 16 |  |  |


| Term 6 76-90 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| Complete 2 courses: <br> Upper Division Breadth within Psychology |  | 6 | C | - See Note 2 below in additional notes concerning Breadth within Psychology <br> - See Note 4 below in additional notes concerning Additional Psychology Courses. <br> - See Note 1 below in additional notes concerning Foundations of Behavior. If HU, Awareness Areas, and Foundations of Behavior are completed - Upper Division (300-400 level) University Elective. <br> - See Note 5 below in additional notes concerning the Upper Division Psychology Residency Requirement. |
| Complete 2 courses: <br> PGS OR PSY Upper Division Elective |  | 6 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR <br> Upper Division Cultural Diversity in the U.S. (C) OR <br> Upper Division Global Awareness (G) OR <br> Upper Division Historical Awareness (H) OR <br> Upper Division Foundations of Behavior Course |  | 3 | C |  |
|  | Term hours subtotal: | 15 |  |  |


| Term 7 91-105 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| Upper Division Depth within Psychology |  | 6 | C | - See Note 3 below in additional notes concerning Depth within Psychology. <br> - See Depth within Psychology course list for upper division Literacy and Critical Inquiry (L) options. <br> - See Note 1 below in additional notes concerning Foundations of Behavior. If HU, Awareness Areas, and Foundation of Behavior are completed - Upper Division (300-400 level) University elective. <br> - See Note 5 below in additional notes concerning Upper Division Psychology Residency Requirement. |
| Upper Division Literacy and Critical Inquiry (L) OR Upper Division Elective |  | 3 |  |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR <br> Upper Division Cultural Diversity in the U.S. (C) OR <br> Upper Division Global Awareness (G) OR <br> Upper Division Historical Awareness (H) OR <br> Upper Division Foundations of Behavior Course |  | 3 | C |  |
| Upper Division Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours |  | Hours | $\begin{gathered} \text { Minimum } \\ \text { Grade } \end{gathered}$ | Notes |


| Upper Division Humanities, Fine Arts and Design (HU) OR |  |
| :--- | :---: |
| Upper Division Cultural Diversity in the U.S. (C) OR |  |
| Upper Division Global Awareness (G) OR |  |
| Upper Division Historical Awareness (H) OR |  |
| Upper Division Foundations of Behavior Course |  |
| Upper Division Elective |  |
| Complete 3 courses: | Term hours subtotal: |
| Elective | 15 |

- See Note 1 below in additional notes concerning Foundations of Behavior. If HU, Awareness Areas, and Foundations of Behavior are completed - Upper Diision (300-400 level)
University Elective
- See Note 5 below in additional notes concerning the Upper Division Psychology Residency Requirement.
- $\quad$ Foundations of Behavior (12 hours required): Students must complete a minimum of 6 hours of HU courses, three Awareness courses (C, G, and H) and 12 hours of Foundations of Behavior courses; however, with careful selection, courses may be used to fulfill more than one of these requirements.
- Breadth within Psychology: Take 1 course each from 4 of the 5 clusters (4 courses): Biological, Personality/Mental Health, Cognitive/Learning, Developmental or Social.
- Depth within Psychology: Take 2 additional courses from the list below. At least one must be 400 level.
- Additional Psychology Courses (Take 3 additional courses): At least two must be upper division and 1 MAY be lower division (excluding PGS 194 and PGS 270). No more than 6 hours (total) from the following course list may be used to fulfill this requirement: PSY 390, PGS 394: Undergrad TA, PGS/PSY 399, PGS/PSY 484, PSY 492, PSY 493, PGS/PSY 499.
- Upper Division Psychology Residency Requirement: 12 credit hours of PGS/PSY courses must be completed at the Tempe campus.
- Minimum of 37 hours of Psychology (PGS/PSY) coursework must be taken.
- There is room in this map to add a concurrent degree, minor, or certificate

| Personality/Mental Health Breadth | Cognitive/Learning Breadth | Biological Breadth |
| :---: | :---: | :---: |
| PGS 315: Personality Theory and Research (SB) | PSY 320: Learning and Motivation | PSY 325: Physiological Psychology |
|  | PSY 323: Sensation and Perception |  |
| PGS 466: Abnormal Psychology (SB) | PSY 324: Memory and Cognition |  |
| Depth within Psychology ( 2 courses from the following list, one must be 400 level) | Developmental Breadth | Social Breadth |
|  | PGS 341: Developmental Psychology (SB) | PGS 306: Environmental Psychology (SB) |
| PGS 315: Personality Theory and Research (SB) |  | PGS 350: Social Psychology (SB) |

PSY 320: Learning and Motivation
PSY 323: Sensation and Perception
PSY 324: Memory and Cognition
PGS 344: Directed Child Study (SB)
PGS 350: Social Psychology (SB)
PGS 351: Honors Social Psychology (L or SB)

PGS 365: Community Psychology (SB)
PSY 394: Psychology of Humor
PGS 414: History of Psychology (L or SB)
PSY 420: Analysis of Behavior (L)
PSY 424: Genetic Psychology (L)
PSY 425: Biological Bases of Behavior (L)
PSY 426: Neuroanatomy
PSY 427: Immunoneuropsychology: Research Foundation

PGS 430: Industrial Psychology
PSY 434: Cognitive Psychology (L)
PSY 437: Human Factors (L)
PGS 441: Cognitive Development (L or SB)
PGS 443: Abnormal Child Psychology (L or SB)


## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division.A Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. Â When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Psychology, BS

College of Liberal Arts and Sciences
Campus:Tempe
LAPGSBS

| Term 1 0-16 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101: First-Year Composition AND <br> ENG 102: First-Year Composition OR <br> ENG 105: Advanced First-Year Composition OR <br> ENG 107: English for Foreign Students AND <br> ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer or TOEFL score determines placement into First-Year Composition. <br> - The Math Placement Exam scor determines placement into MATH. <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students- LIA 194 or a 191 level course offered by the College of Lieberal Arts and Sciences. <br> - See Note 1 below in Additional Notes concerning Foundations of Behavior. |
| PGS 101: Introduction to Psychology (SB) | 3 | C |  |
| MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) | 3-4 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences OR First-Year Seminar | 1 |  |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) OR Foundations of Behavior | 3 | C |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 16-17 |  |  |
| Term 2 17-31 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| ENG 101: First-Year Composition AND <br> ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: English for Foreign Students AND ENG 108: English for Foreign Students | 3 | C | - If the FYC requirement is completed - PGS/PSY course (NOT PGS 194, PGS 270) or a University Elective. See Note 4 below in Additional Notes concerning Additional Psychology Courses. <br> - If MAT 251 or MAT 270 is completed - University Elective. <br> - See Note 1 below in Additional Notes concerning Foundations of Behavior. |
| MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR Elective | 3-4 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) OR Foundations of Behavior | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Elective | 2 |  |  |
| Term hours subtotal: | 15-16 |  |  |
| Term 3 32-47 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| MAT 251: Calculus for Life Sciences (MA) OR <br> MAT 270: Calculus with Analytic Geometry I (MA) OR Elective | 3 | C | - FYC must be completed by the end of Term 3. If the FYC requirement is completed PGS/PSY course (NOT PGS 194, PGS 270) or a University Elective. See Note 4 below in Additional Notes concerning Additional Psychology Courses. <br> - MAT 251 or MAT 270 must be completed by the end of Term 3. If MAT 251 or MAT 270 is completed - University Elective. <br> - See Note 1 below in Additional Notes concerning Foundations of Behavior. |
| 1. PSY 230: Introduction to Statistics (CS) | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) OR Foundations of Behavior | 3 | C |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |  |
| Elective | 3 |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 4 48-63 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| 4 PSY 290: Research Methods (L or SG) | 4 C |  |  |


| CLAS Science and Society Elective | 3 | C |
| :--- | :---: | :---: |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR |  |  |
| Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR <br> Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) OR <br> Foundations of Behavior | 3 | C |
| Elective |  | 3 |
| PSY OR PGS Elective | Term hours subtotal: | 16 |

- PGS/PSY Course - NOT PGS 194, PGS 270. See Note 4 below in additional notes concerning Additional Psychology Courses
- CLAS Science and Society requirement:
http://clas.asu.edu/scienceandsociet
- See Note 1 below in additional notes for Foundations of Behavior. If HU, Awareness Areas and Foundations of Behavior requirements are completed University Elective.

| Term 5 64-78 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| PSY 330: Statistical Methods (CS) |  | 3 | C | - See Note 4 below in additional notes concerning Additional Psychology Courses. <br> - See Note 2 below in additional notes concerning Breadth within Psychology. <br> - CLAS Science and Society: http://clas.asu.edu/scienceandsociety <br> - See Note 1 below in additional notes concerning Foundations of Behavior. If HU, Awareness Areas, and Foundations of Behavior are completed - Upper Division (300-400 level) University Elective. <br> - See Note 5 below in additional notes concerning the Upper Division Psychology Residency Requirement. |
| Upper Division Breadth within Psychology AND Upper Division Social and Behavioral Sciences (SB) |  | 3 | C |  |
| Upper Division Breadth within Psychology |  | 3 | C |  |
| Upper Division CLAS Science and Society Elective |  | 3 | C |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR <br> Upper Division Cultural Diversity in the U.S. (C) OR <br> Upper Division Global Awareness (G) OR <br> Upper Division Historical Awareness (H) OR <br> Upper Division Foundations of Behavior |  | 3 | C |  |
|  | Term hours subtotal: | 15 |  |  |
| Term6 $69-93$ Credit Hours |  |  | Minimum Grade | Notes |

PGS 399: Supervised Research OR
PSY 499: Individualized Instruction OR
PSY 390: Experimental Psychology (L) OR
PSY 399: Supervised Research OR
3 C
PSY 492: Honors Directed Study OR
PSY 493: Honors Thesis (L)

Complete 2 courses:
Upper Division Breadth within Psychology
Upper Division Depth Within Psychology AND
Upper Division Literacy and Critical Inquiry (L) OR
Upper Division Depth Within Psychology
Upper Division Humanities, Fine Arts and Design (HU) OR
Upper Division Cultural Diversity in the U.S. (C) OR
Upper Division Global Awareness (G) OR
Upper Division Historical Awareness (H) OR
Upper Division Foundations of Behavior
Term hours subtotal:
15

- See Note 4 below in additional notes concerning Additional Psychology Courses.
- See Note 1 below in additional notes concerning Foundations of Behavior. If HU, Awarenes Areas, and Foundations of Behavior are completed - Upper Division (300-400 level) University Elective.
- See Note 2 below in additional notes concerning Breadth within Psychology.
- See Note 3 below in additional notes concerning Depth within Psychology.
- See Note 5 below in additional notes concerning the Upper Division Psychology Residency Requirement.

| Term 7 94-108 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| 4** Depth within Psychology |  | 3 | C | - See Note 3 below in additional notes concerning Depth within Psychology. |
| Upper Division Literacy and Critical Inquiry (L) |  | 3 |  |  |
| Upper Division Humanities, Fine Arts and Design (HU) OR <br> Upper Division Cultural Diversity in the U.S. (C) OR <br> Upper Division Global Awareness (G) OR <br> Upper Division Historical Awareness (H) OR <br> Upper Division Foundations of Behavior |  | 3 | C | Psychology. <br> - See Depth within Psychology course list for Upper Division (300-400 level) Literacy and |
| Complete 2 courses: Elective |  | 6 |  | - See Note 1 below in additional |
|  | Term hours subtotal: | 15 |  | Behavior. If HU, Awareness Areas, and Foundation of Behavior are completed - Upper |

Division (300-400 level)
University Elective

- See Note 5 below in additional notes concerning Upper Division
Psychology Residency
Requirement.

| Term 8 109-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| Upper Division Humanities, Fine Arts and Design (HU) OR <br> Upper Division Cultural Diversity in the U.S. (C) OR <br> Upper Division Global Awareness (G) OR <br> Upper Division Historical Awareness (H) OR <br> Upper Division Foundations of Behavior |  | 3 | C | - See Note 1 below in additional notes concerning Foundations of Behavior. If HU, Awareness Areas, and Foundation of Behavior are completed - Upper Division (300-400 level) University Elective. <br> - See Note 5 below in additional notes concerning Upper Division Psychology Residency Requirements. |
| Upper Division Elective |  | 3 |  |  |
| Complete 3 courses: Elective |  | 6 |  |  |
|  | Term hours subtotal: | 12 |  |  |

- Foundations of Behavior ( 12 hours required): Students must complete a minimum of 6 hours of HU courses, three Awareness courses (C, G, and H) and 12 hours of Foundations of Behavior courses; however, with careful selection, courses may be used to fulfill more than one of these requirements.
- Breadth within Psychology: Take 1 course each from 4 of the 5 clusters (4 courses): Biological, Personality/Mental Health, Cognitive/Learning, Developmental or Social.
- Depth within Psychology: Take 2 additional courses from the list below. At least one must be 400 level.
- Additional Psychology Courses (Take 3 additional courses): PSY 330 Statistical Methods, 3 credit hours of Research Experience (PSY 390, PGS 399, PSY 492, PSY 493, PSY 499), 3 credit hours of PGS/PSY (NOT PGS 194 or PGS 270).
- Upper Division Psychology Residency Requirement: 12 credit hours of PGS/PSY courses must be completed at the Tempe campus.
- Minimum of 37 hours of Psychology (PGS/PSY) coursework must be taken.
- There is room in this map to add a concurrent degree, minor, or certificate

| Social Breadth | Depth within Psychology ( 2 courses from the following list, one must be 400 level) | Biological Breadth |
| :---: | :---: | :---: |
| PGS 350: Social Psychology (SB) |  | PSY 325: Physiological Psychology |
|  | PSY 394: Psychology of Humor |  |
| PGS 351: Honors Social Psychology (L or SB) | PGS 315: Personality Theory and Research (SB) |  |
|  | PSY 320: Learning and Motivation |  |
|  | PSY 323: Sensation and Perception |  |
|  | PSY 324: Memory and Cognition |  |
|  | PGS 344: Directed Child Study (SB) |  |
|  | PGS 350: Social Psychology (SB) |  |
|  | PGS 351: Honors Social Psychology (L or SB) |  |
|  | PGS 365: Community Psychology (SB) |  |
|  | PGS 414: History of Psychology (L or SB) |  |
|  | PSY 420: Analysis of Behavior (L) |  |
|  | PSY 424: Genetic Psychology (L) |  |
|  | PSY 425: Biological Bases of Behavior (L) |  |
|  | PSY 426: Neuroanatomy |  |
|  | PSY 427: Immunoneuropsychology: Research Foundation |  |
|  | PGS 430: Industrial Psychology |  |
|  | PSY 434: Cognitive Psychology (L) |  |
|  | PSY 437: Human Factors (L) |  |
|  | PGS 441: Cognitive Development (L or SB) |  |


|  | PGS 443: Abnormal Child Psychology (L or SB) |  |
| :---: | :---: | :---: |
|  | PGS 444: Adolescent Psychology and Psychopathology |  |
|  | PGS 445: Child Language and Drawing (SB) |  |
|  | PGS 446: Social Development (L or SB) |  |
|  | PGS 451: Stereotyping, Prejudice, and Discrimination (L) |  |
|  | PGS 452: Applied Social Psychology (L) |  |
|  | PGS 458: Group Dynamics |  |
|  | PGS 461: Interpersonal Influence (SB) |  |
|  | PGS 462: Health Psychology |  |
|  | PGS 464: Minority Issues in Psychology |  |
|  | PGS 465: Psychology of Stress and Coping |  |
|  | PGS 466: Abnormal Psychology (SB) |  |
|  | PGS 468: Psychology and Law |  |
|  | PGS 471: Psychological Testing |  |
|  | PGS 472: Clinical Psychology |  |
|  | PSY 498: Behavioral Neuroscience Research |  |
|  | PSY 498: Neuroscience of Memory and Aging |  |
|  | PSY 498: Neurobiology Learning and Memory |  |
|  | PGS 498: Intellectual Disabilities: Autism to fragile X |  |
|  | PGS 498: Health Promotion in Minority Populations |  |
|  | PGS 498: Psychology of Addictions |  |
|  | PSY 498: Emotions, Stress, and Health |  |
|  | PGS 498: The Psychology of e-Learning and Gaming |  |
|  | PSY 498: Embodied Cognition |  |
|  | PSY 498: Dynamics in Psychology |  |
|  | PGS 498: Home Impact on Children |  |
|  | PGS 498: Cross-Cultural Psychology |  |
|  | PGS 498: Diversity and the Psychology of Women |  |
|  | PGS 498: Psychology of Emotions |  |
| Cognitive/Learning Breadth | Developmental Breadth | Personality/Mental Health Breadth |
| PSY 320: Learning and Motivation | PGS 341: Developmental Psychology (SB) | PGS 315: Personality Theory and Research (SB) |
| PSY 323: Sensation and Perception |  | PGS 466: Abnormal Psychology (SB) |
| PSY 324: Memory and Cognition |  | 466. Abnormal Psychology |
| Foundations of Behavior (12 credit hours from the following options) | Additional Psychology Courses |  |
| ASB Elective | PGS OR PSY Elective |  |
| ASM Elective | PSY 330: Statistical Methods (CS) |  |
| BIO Elective | PGS 399: Supervised Research |  |
| GCU Elective | PSY 499: Individualized Instruction |  |
| HPS Elective | PSY 492: Honors Directed Study |  |
| PHI Elective | PSY 493: Honors Thesis (L) |  |
|  | PSY 390: Experimental Psychology (L) |  |
| SOC Elective |  |  |

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety.Â At least one of the two courses taken from the list must be upper division.Â Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Religious Studies, BA

College of Liberal Arts and Sciences
Campus:Tempe
LARELBA

| Term 1 0-15 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101: First-Year Composition OR <br> ENG 102: First-Year Composition OR <br> ENG 105: Advanced First-Year Composition OR <br> ENG 107: English for Foreign Students OR <br> ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| LIA 194: Academic Success Seminar, Intro to Liberal Arts and Sciences | 1 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Elective | 1 |  |  |
| Minimum 2.50 GPA in REL. |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 2 16-30 Credit Hours Critical course signified by ${ }^{(1)}$ | Hours | Minimum Grade | Notes |
| ENG 101: First-Year Composition OR <br> ENG 102: First-Year Composition OR <br> ENG 105: Advanced First-Year Composition OR <br> ENG 107: English for Foreign Students OR <br> ENG 108: English for Foreign Students | 3 | C |  |
| 4 REL Lower Division Elective | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |  |
| Elective | 1 |  |  |
| Minimum 2.50 GPA in REL. |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 3 31-46 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| 1 REL 207: Ritual, Symbol, and Myth (L or HU) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| CSE 180: Computer Literacy (CS) OR Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Cultural Diversity in the U.S. (C) OR Global Awareness (G) OR Historical Awareness (H) | 3 |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |

Minimum 2.50 GPA in REL.
Term hours subtotal: 16

| Term 4 $47-60$ Credit Hours Critical course signified by | Hours | Minimum <br> Grade |
| :--- | :--- | :---: |
| REL 307: Approaches to Religion | 3 | C |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including <br> American Sign Language IV. | 4 | C |



- Students must complete at least 9 credits from a concentration in a specific theme, tradition, or geographic area chosen in consultation with a Religious Studies advisor. Theme concentrations are chosen from Religion in a Global Context; Religion, Public Life, and Conflict; or Text, Practice, and Representation. Tradition concentrations are chosen from Judaism, Christianity, Islam, Buddhism, Hinduism, or Daoism/Confucianism. Geographic Area concentrations are chosen from the Americas, Europe/Eurasia, East Asia, South Asia, or Southeast Asia.
Themes

| REL 201: Religion and the Modern World (L |
| :--- |
| or HU) |
|  |
| C) |

Traditions
REL 210: Introduction to Judaism ((L or HU
)\& H)

REL 294: Introduction to Jewish Civilization
Geographic Areas
REL 225: African American Religion (HU \&
C)

REL 318: Contemporary American Jewish Identities ((HU or SB) \& C)

REL 240: Introduction to Southeast Asia ((HU or SB) \& G)

REL 313: Anti-Semitism in the Media
REL 320: American Religious Traditions (HU \& C \& H)

REL 324: Spirituals and the Blues
REL 331: History of Native American Religious Traditions ((L or HU) \& C \& H)

REL 346: Chinese Religions
REL 354: Religious Traditions of Korea (HU)
REL 365: Islamic Civilization (HU \& H)
REL 366: Islam in the Modern World (HU \& H \& G)

REL 377: Religion in Russia (HU \& H)
REL 379: Religion, Nationalism, and Ethnic Conflict (HU \& G)

REL 380: Theology of Terror
REL 394: Introduction to the Quran, Martyrdom and Self Sacrifice, Quran Text and Women, Spanish Inquisition, The Chinese Bible: The Daode Jing

REL 410: Judaism in Modern Times (HU \& H)

REL 430: Mesoamerican Shamanic Cosmographies

REL 444: Religion in Japan (HU \& H \& G)
REL 470: Religion in the Middle Ages (HU \& H)

REL 480: Religion and Global Politics (G)
REL 482: Religion, Violence, and Conflict Resolution

REL 318: Contemporary American Jewish Identities ((HU or SB) \& C)

REL 321: Religion in America (HU \& C \& H)

REL 323: African American Religion: A Biographical Approach (HU \& C)

REL 357: Theravada Buddhism in South and Southeast Asia (L \& G)

REL 369: Women in Islam
REL 373: Women in Judaism
REL 374: Witchcraft and Heresy in Europe (L \& H)

REL 381: Religion and Moral Issues (L or HU)

REL 382: Religion, Magic, and Science (L or HU)

REL 386: America and the Holocaust (HU or SB)

REL 388: Religion, Ethics, and International Politics

REL 390: Women and Religion (HU \& G)
REL 461: Different Voices Within
Contemporary Islamic Discourse
REL 471: Reformation and Modern
Christianity (HU \& H)
REL 486: Holocaust on Film

REL 310: Western Religious Traditions (HU \& H)
REL 313: Anti-Semitism in the Media
REL 314: Jewish Philosophy
REL 315: Hebrew Bible (Old Testament) ((L
or HU )\& H)
REL 317: Introduction to Rabbinic Judaism
(HU \& H)
REL 318: Contemporary American Jewish
Identities ((HU or SB) \& C)
REL 373: Women in Judaism
REL 384: The Bible and Archaeological
Discoveries Discoveries

REL 386: America and the Holocaust (HU or SB)

REL 394: American Islam, Buddhism in China, Islam and Islamic Societies in Africa, Islam and World Affairs, Martyrdom and Self Sacrifice, Quran Text and Women, Spanish Inquisition, The Chinese Bible: The Daode Jing, The Daoist Bible: Dao De Jing

REL 396: Women in the Bible
REL 410: Judaism in Modern Times (HU \& H)

REL 486: Holocaust on Film
REL 494: Critical Theory: Post-Holocaust Ethics, Places \& Meanings, Russian Mystics and Saints, Taoist Texts

REL 260: Introduction to Islam (HU \& G)
REL 365: Islamic Civilization (HU \& H)
REL 366: Islam in the Modern World (HU \& H \& G)

REL 369: Women in Islam
REL 377: Religion in Russia (HU \& H)
REL 380: Theology of Terror
REL 225: African American Religion (HU \& C)

REL 270: Introduction to Christianity (HU)
REL 354: Religious Traditions of Korea (HU)
REL 371: New Testament (HU)
REL 372: formation of the Christian Tradition ( $\mathrm{HU} \& \mathrm{H}$ )

REL 374: Witchcraft and Heresy in Europe (L \& H)

REL 375: Lost Scriptures, Lost Christianities (HU)

REL 376: Virgin Mary in History, Film, and Culture (L or HU)

REL 470: Religion in the Middle Ages (HU
\& H)
REL 471: Reformation and Modern
Christianity (HU \& H)
REL 344: Religion and Values in Japanese Life (HU \& G)

REL 345: Asian Religious Traditions (HU \& G)

REL 351: Buddhism ((L or HU) \& G)
REL 354: Religious Traditions of Korea (HU)

REL 320: American Religious Traditions (HU \& C \& H)

REL 321: Religion in America (HU \& C \& H)

REL 323: African American Religion: A Biographical Approach (HU \& C)

REL 324: Spirituals and the Blues
REL 326: Latina/o and Latin American Religions and Cultures (HU \& C)

REL 330: Native American Religious Traditions (HU \& C)

REL 331: History of Native American Religious Traditions ((L or HU) \& C \& H)

REL 332: South American Indian Religions (HU \& G)

REL 356: Buddhism in America
REL 386: America and the Holocaust (HU or SB)

REL 420: Religion in American Life and Thought (HU)

REL 427: American Religious Thought (HU \& H)

REL 430: Mesoamerican Shamanic
Cosmographies
REL 240: Introduction to Southeast Asia ((HU or SB) \& G)

REL 351: Buddhism ((L or HU) \& G)
REL 357: Theravada Buddhism in South and Southeast Asia (L \& G)

REL 343: Daoism ((L or HU) \& G \& H)
REL 344: Religion and Values in Japanese Life (HU \& G)

REL 346: Chinese Religions
REL 353: Folk Religions of Korea
REL 354: Religious Traditions of Korea (HU)
REL 355: Japanese Cities and Cultures to 1800 (HU \& H)

REL 394: Art of India and South Asia, Buddhism in China, Religions of India

REL 444: Religion in Japan (HU \& H \& G)
REL 374: Witchcraft and Heresy in Europe (L
\& H)
REL 377: Religion in Russia (HU \& H)
REL 470: Religion in the Middle Ages (HU
\& H)
REL 471: Reformation and Modern
Christianity (HU \& H)

| REL 494: Critical Theory: Post-Holocaust Ethics | Buddhism in America |
| :---: | :---: |
|  | REL 357: Theravada Buddhism in South and Southeast Asia (L \& G) |
| REL 202: Religion and Popular Culture (HU \& C) |  |
|  | REL 44. Religion in Japan (HU \& H \& G) |
| REL 203: Saints and Sinners: Explorations in Sacred Biography (HU \& H) |  |
| REL 205: Living and Dying (HU) | REL 346: Chinese Relig |
| REL 294: Introduction to Jewish Civilization | REL 354: Religious Traditions of Korea (HU) |
| REL 301: Comparative Mysticism (HU) | REL 350: H |
| REL 310: Western Religious Traditions (HU \& H) |  |
| REL 314: Jewish Philosophy |  |
| REL 315: Hebrew Bible (Old Testament) ((L or HU )\& H ) |  |
| REL 317: Introduction to Rabbinic Judaism ( $\mathrm{HU} \& \mathrm{H}$ ) |  |
| REL 326: Latina/o and Latin American Religions and Cultures (HU \& C) |  |
| REL 330: Native American Religious Traditions (HU \& C) |  |
| REL 332: South American Indian Religions ( $\mathrm{HU} \& \mathrm{G}$ ) |  |
| REL 344: Religion and Values in Japanese Life (HU \& G) |  |
| REL 345: Asian Religious Traditions (HU \& G) |  |
| REL 353: Folk Religions of Korea |  |
| REL 355: Japanese Cities and Cultures to 1800 (HU \& H) |  |
| REL 371: New Testament (HU) |  |
| REL 375: Lost Scriptures, Lost Christianities (HU) |  |
| REL 376: Virgin Mary in History, Film, and Culture (L or HU) |  |
| REL 384: The Bible and Archaeological Discoveries |  |
| REL 385: Contemporary Western Religious Thought (HU) |  |
| REL 391: Historical Perspectives on Philosophy and Religion |  |
| REL 393: Religion and Sexuality (HU) |  |
| REL 395: Religion and Psychology |  |
| REL 396: Women in the Bible |  |
| REL 420: Religion in American Life and Thought (HU) |  |
| REL 427: American Religious Thought (HU \& H) |  |
| REL 460: Studies in Islamic Religion (HU \& G) |  |
| REL 483: Religion and Science |  |
| REL 487: Religion and Film |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division.A Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. Â When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.
- Students choose a total of 15 credits from the Related Areas below in consultation with an academic advisor. In addition, students may also choose courses from a third language. Please see a Religious Studies advisor for suggestions and more information about possible related areas.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)


## General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 4) ARIZONA State UNIVERSITY

## 2011-2012 Major Map

## Russian, BA

College of Liberal Arts and Sciences
Campus:Tempe
LARUSBA

| Term 1 0-15 Credit Hours Critical course signified by 9 |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| 4 RUS 101: Elementary Russian |  | 4 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| MAT 142: College Mathematics (MA) |  | 3 | C |  |
| Social and Behavioral Sciences (SB) |  | 3 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |  |
| SLC 294: Language Exploration |  | 2 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 2 16-29 Credit Hours Critical course signified by ${ }^{\text {- }}$ |  | Hours | Minimum Grade | Notes |
| 4 RUS 102: Elementary Russian |  | 4 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| Historical Awareness (H) |  | 3 |  |  |
| Social and Behavioral Sciences (SB) |  | 3 |  |  |
| Elective |  | 1 |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |  |  |
|  | Term hours subtotal: | 14 |  |  |
| Term 3 30-46 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ |  | Hours | Minimum Grade | Notes |


| RUS 201: Intermediate Russian (G) | 4 | C |
| :--- | :--- | :--- |
| RUS 211: Basic Russian Conversation (G) | 3 | C |
| SLC 201: Introduction to Linguistics (HU or SB) OR | 3 |  |
| SLC 202: Introduction to Literary and Cultural Theory | 4 |  |
| Natural Science - Quantitative (SQ) | 3 |  |
| Cultural Diversity in the U.S. (C) |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. |  |  |

4 Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
Term hours subtotal:
17

| Term 4 $47-60$ Credit Hours Critical course signified by | Hours | Minimum <br> Grade |  |
| :--- | :---: | :---: | :---: |
| RUS 202: Intermediate Russian (G) | 4 | Notes |  |
| RUS 212: Basic Russian Conversation (G) | 3 | C |  |
| SLC 201: Introduction to Linguistics (HU or SB) OR | 3 | C |  |
| SLC 202: Introduction to Literary and Cultural Theory | 4 |  |  |
| Natural Science - Quantitative (SQ) OR |  |  |  |
| Natural Science - General (SG) |  |  |  |
| Maintain 2.33 GPA in Critical Tracking Courses. | Term hours subtotal: | 14 |  |

## Minimum

| Term 5 61-75 Credit Hours |  | Hours | Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| RUS 311: Russian Composition and Conversation (G) |  | 3 | C | - Enroll in Study Abroad Program credits or listed courses |
| RUS OR SLV Upper Division Elective |  | 3 | C |  |
| Related Area Course |  | 3 | C |  |
| Humanities, Fine Arts and Design (HU) |  | 3 |  |  |
| Literacy and Critical Inquiry (L) |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours |  | Hours | Minimum Grade | Notes |
| RUS 312: Russian Composition and Conversation (G) |  | 3 | C | - Enroll in Study Abroad Program credits or listed courses |
| SLV 304: Computational Linguistics of Slavic Languages (CS) |  | 3 | C |  |
| Related Area Course |  | 3 | C |  |
| RUS OR SLV Upper Division Elective AND Upper Division Literacy and Critical Inquiry (L) |  | 3 | C |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours |  | Hours | Minimum Grade | Notes |
| RUS 411: Advanced Composition and Conversation I (G) OR RUS 412: Advanced Composition and Conversation II (G) |  | 3 | C | - Enroll in Study Abroad Program credits or listed courses |
| Upper Division Humanities, Fine Arts and Design (HU) OR Upper Division Social and Behavioral Sciences (SB) |  | 3 |  |  |
| Complete 2 courses: <br> Upper Division Elective |  | 6 |  |  |
| RUS OR SLV 4** Elective |  | 3 | C |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| RUS 498: Pro-Seminar OR <br> SLV 498: Pro-Seminar |  | 3 | C | - Enroll in Study Abroad Program credits or listed courses |
| SLC 4** Elective OR <br> SLC 498: Capstone |  | 3 | C |  |
| Complete 3 courses: <br> Upper Division Elective |  | 9 |  |  |
|  | Term hours subtotal: | 15 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of $C$ or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.A A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. A At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. $\hat{A}$ At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses.A When you complete both courses, all three learning goals must be filled in order to complete the requirement.A Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.
- Russian is a flexible liberal arts major. Students must bear in mind that credits toward the major and minor can only be accumulated after completion of intermediate Russian. RUS 101, 102 or 111 are not major requirements, but demonstrated proficiency at or above the 202 level is required for enrollment in upper-division major requirement courses. A maximum of 6 hours from the Intermediate Russian language sequence (RUS 201: Intermediate Russian I and RUS 202: Intermediate Russian II) may be used toward major requirements. Students are strongly encouraged to contact an academic advisor regarding clarifications on course applicability.
- Degree offerings in the School of International Letters \& Cultures are flexible liberal arts majors. Students must bear in mind that the credits toward the major and minor can only be accumulated after completion of preparatory language courses. These preparatory courses are not major requirements and do not count toward the hours the student needs to complete degree requirements. Demonstrated proficiency at the intermediate level is required for enrollment in major requirement courses. Students are strongly encouraged to contact an academic advisor regarding clarifications on course applicability.

| Major GPA: 2.00 minimum | General Studies Core Requirements: | - Cultural Diversity in the U.S. (C) |
| :--- | :--- | :--- |
| Cumulative GPA: 2.00 minimum | - Literacy and Critical Inquiry (L) | - Global Awareness (G) |
| Total hrs at ASU: 30 minimum | - Mathematical Studies (MA) | • Historical Awareness (H) |
| Hrs Resident Credit for | - Computer/Statistics/Quantitative Applications |  |
| Academic Recognition: 56 minimum | (CS) |  |
| Total Community College Hrs: 64 maximum | - Humanities, Fine Arts and Design (HU) |  |
|  | - Social and Behavioral Sciences (SB) |  |
|  | - Natural Science - Quantitative (SQ) |  |
|  | - Natural Science - General (SG) |  |

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 4 1 ARIZONA State UNIVERSITY

## 2011-2012 Major Map Sociology, BS

College of Liberal Arts and Sciences
Campus:Online, Tempe
LASOCBS

| Term 1 0-13 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. |
| 4 SOC 101: Introductory Sociology (SB) |  | 3 | C |  |
| LIA 194: Intro to Liberal Arts and Sciences |  | 1 |  |  |
| Complete 2 courses: Elective |  | 6 |  |  |
|  | Term hours subtotal: | 13 |  |  |


| Term 2 14-29 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| SOC 241: Modern Social Problems (SB) OR SOC 270: Racial and Ethnic Relations (SB \& C) OR SOC 264: Gender and Society ((L or SB) \& C) AND Cultural Diversity in the U.S. (C) | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Related Area Course | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 3 30-45 Credit Hours Critical course signified by 4. | Hours | Minimum Grade | Notes |
| 1 MAT 142: College Mathematics (MA) | 3 | C |  |
| SOC Elective | 3 | C |  |
| Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) | 3 |  |  |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |  |
| Elective | 3 |  |  |
| Complete First-Year Composition requirement. |  |  |  |

Term hours subtotal:
16


| Term 5 61-75 Credit Hours |  | Hours | Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| SOC Upper Division Elective |  | 3 | C |  |
| CLAS Science and Society Elective |  | 3 | C |  |
| Upper Division Elective |  | 3 |  |  |
| Related Area Course |  | 3 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours |  | Hours | Minimum Grade | Notes |
| SOC 391: Research Methods (L or SB) OR <br> SBS 303: Quantitative Methods |  | 3 | C |  |
| SOC Upper Division Elective |  | 3 | C |  |
| Upper Division CLAS Science and Society Elective |  | 3 | C |  |
| Complete 2 courses: Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours |  | Hours | Minimum Grade | Notes |
| SOC 483: History of Social Thought (SB) OR SOC 486: Contemporary Theory (SB) |  | 3 | C |  |
| SOC Upper Division Elective |  | 3 | C |  |
| Complete 2 courses: <br> Upper Division Elective |  | 6 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| SOC Upper Division Elective |  | 3 | C |  |
| Related Area Course AND Social and Behavioral Sciences (SB) |  | 3 |  |  |
| Related Area Course |  | 3 |  |  |
| Complete 2 courses: <br> Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |

- REL 100, WST 413, WST 464 and WST 470 Related Field courses not allowed.
FAS Electives
FAS 101: Personal Growth in Human
Relationships (SB)
FAS 264: Gender and Society (SB \& C)
FAS 294: Special Topics
FAS 301: Introduction to Parenting
FAS 324: Work and the Workplace (SB \& H)
FAS 331: Marriage and Family Relationships
FB
FAS 332: Human Sexuality (SB)
\& C)
FAS 370: Family Ethnic and Cultural
Diversity (SB \& C)
FAS 390: Supervised Research Experience
FAS 435: Advanced Marriage and Family
Relationships (L or SB)

| CDE Electives | SOC Electives |
| :---: | :---: |
| CDE 232: Human Development (SB) | SOC 294: Special Topics |
| CDE 312: Adolescence (SB) | SOC 312: Adolescence (SB) |
| CDE 337: Early Childhood Intervention | SOC 315: Courtship and Marriage (SB) |
| CDE 338: Child Development Practicum | SOC 324: Work and the Workplace (SB \& H) |
| CDE 394: Special Topics | SOC 334: Technology and Society (L or SB) |
| CDE 430: Infant/Toddler Development in the Family (SB) | SOC 340: The Sociology of Deviance (SB) |
|  | SOC 352: Social Change (SB \& G \& H) |
| CDE 499: Individualized Instruction | SOC 415: The Family (SB) |
|  | SOC 418: Aging and the Life Course (SB \& H) |
|  | SOC 421: Education and Society (SB) |
|  | SOC 424: Women and Health (SB) |
|  | SOC 427: Sociology of Health and Illness (SB) |

FAS 484: Internship
FAS 492: Honors Directed Study
FAS 493: Honors Thesis (L)
FAS 498: Pro-Seminar
FAS 499: Individualized Instruction
SOC Related Area Course
AFS Elective
ASB Elective
CDE Elective
CSS Elective
ECN Elective
FAS Elective
GCU Elective
HST Elective
POS Elective
PGS Elective
TCL Elective
WST Elective
SOC 435: Advanced Marriage and Family
Relationships (L or SB)
SOC 484: Internship
SOC 492: Honors Directed Study
SOC 493: Honors Thesis (L)
SOC 498: Pro-Seminar
SOC 499: Individualized Instruction

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. Â At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. A When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend
General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2011-2012 academic year

## 4UNIVERSITY

## 2011-2012 Major Map <br> Spanish, BA

College of Liberal Arts and Sciences
Campus:Tempe
LASPABA


| SPA 325: Introduction to Hispanic Literature (HU) | 3 | C |  |
| :---: | :---: | :---: | :---: |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Complete 2 courses: Elective | 6 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 6 77-91 Credit Hours | Hours | Minimum Grade | Notes |
| SPA 412: Advanced Conversation and Composition (G) | 3 | C |  |
| SPA 471: Civilization of the Spanish Southwest ((L or HU) \& C) OR SPA 472: Spanish American Civilization (HU \& H \& G) OR SPA 473: Spanish Civilization ((HU or SB) \& G) | 3 | C |  |
| Upper Division SPA Track Course or Core | 6 | C |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 92-106 Credit Hours | Hours | Minimum Grade | Notes |
| Upper Division SPA Track Course or Core | 12 | C |  |
| Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 107-120 Credit Hours | Hours | Minimum Grade | Notes |
| SLC 4** Elective OR <br> SLC 498: Pro-Seminar | 3 | C |  |
| Upper Division SPA Track Course or Core | 9 | C |  |
| Elective | 2 |  |  |
| Term hours subtotal: | 14 |  |  |

- Students should consult their D.A.R.S. report to note the differences between the Literature and Culture and Linguistics tracks. If students have further questions they should consult with an academic advisor.

| Literature \& Culture Track | Linguistic Track |
| :---: | :---: |
| SPA 426: Spanish Literature (HU) | SPA 400: Introduction to Spanish Linguistics |
| SPA 427: Spanish American Literature (L) | SPA 413: Advanced Spanish Grammar (G) |
| SPA 428: Spanish American Literature (L \& | SPA 417: Spanish Phonetics and Phonology |
|  | SPA 418: Spanish Syntax |
| SPA 429: Mexican Literature | SPA 420: Applied Spanish Linguistics (L) |
| SPA 471: Civilization of the Spanish Southwest ((L or HU) \& C) |  |
|  | SPA 425: Spanish Literature (HU) |
| SPA 472: Spanish American Civilization (HU \& H \& G) | SPA 426: Spanish Literature (HU) |
| SPA 473: Spanish Civilization ((HU or SB) \& G) | SPA 427: Spanish American Literature (L) |
|  | SPA 428: Spanish American Literature (L \& G) |
| SPA 474: Mexican Culture |  |
| SPA 485: Mexican American Short Story (L) | SPA 464: Mexican American Literature ((HU or SB) \& C) |
| SPA 486: Mexican American Novel | SPA 494: Language Variations of Spanish |
| SPA 487: Mexican American Drama |  |
| POR 4** Elective |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.Â A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. Â At least one of the two courses taken from the list must be upper division. A Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement.A At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.
- Degree offerings in the School of International Letters \& Cultures are flexible liberal arts majors. Students must bear in mind that the credits toward the major and minor can only be accumulated after completion of preparatory language courses. These preparatory courses are not major requirements and do not count toward the hours the student needs to complete degree requirements. Demonstrated proficiency at the intermediate level is required for enrollment in major requirement courses. Students are strongly encouraged to contact an academic advisor regarding clarifications on course applicability.
- Students majoring in Spanish will choose between tracks in either Literature and Culture or Linguistics. Students should make a decision after the completion of SPA 325 and/or SPA 412. While there are common requirements between both tracks, there are also differences in the number of credit hours required in track-level courses. Students are strongly advised to see an academic advisor to discuss these differences. Before meeting with an academic advisor students should consult their D.A.R.S. report to become acquainted with the differences in track-level requirements. Regardless of which track the student chooses, s/he will graduate with a B.A. in Spanish. The track denotation will appear on the transcript.

Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)


## General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Speech \& Hearing Science, BS

College of Liberal Arts and Sciences
Campus:Tempe
LASHSBS

| Term 1 0-13 Credit Hours Critical course signified by |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| 9 SHS 105: Introduction to Human Communication Disorders |  | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| Historical Awareness (H) |  | 3 |  |  |
| MAT prerequisite (if needed) OR Elective |  | 3 |  |  |
| SHS 191: First-Year Seminar OR <br> LIA 194: Intro to Liberal Arts and Sciences |  | 1 |  |  |
| Maintain 2.80 GPA in Critical Tracking Courses. |  |  |  |  |
|  | Term hours subtotal: | 13 |  |  |
| Term 2 14-28 Credit Hours Critical course signified by ${ }^{(1)}$ |  | Hours | Minimum Grade | Notes |
| 1 PGS 101: Introduction to Psychology (SB) |  | 3 | C |  |
| 1. MAT 170: Precalculus (MA) |  | 3 | C |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students |  | 3 | C |  |
| Humanities, Fine Arts and Design (HU) |  | 3 |  |  |
| Elective |  | 3 |  |  |
| Maintain 2.80 GPA in Critical Tracking Courses. |  |  |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 3-44 Credit Hours Critical course signified by ${ }^{\text {2 }}$ |  | Hours | Minimum Grade | Notes |
| BIO 201: Human Anatomy and Physiology I (SG) OR PHY 101: Introduction to Physics (SQ) |  | 4 | C |  |
| PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) |  | 3 | C |  |
| 4 SHS 250: Introduction to Phonetics |  | 3 | C |  |
| Global Awareness (G) |  | 3 |  |  |
| Elective |  | 3 |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |  |
| Maintain 2.80 GPA in Critical Tracking Courses. |  |  |  |  |
|  | Term hours subtotal: | 16 |  |  |
| Term 4 45-60 Credit Hours Critical course signified by ${ }^{\text {d }}$ |  | Hours | Minimum Grade | Notes |
| BIO 201: Human Anatomy and Physiology I (SG) OR PHY 101: Introduction to Physics (SQ) |  | 4 | C | - Complete all critical requiremen |
| 4 ENG 215: Strategies of Academic Writing (L) |  | 3 | C | the end of semester 4 |
| Cultural Diversity in the U.S. (C) |  | 3 |  |  |
| Humanities, Fine Arts and Design (HU) |  | 3 |  |  |
| Elective |  | 3 |  |  |
| Maintain 2.80 GPA in Critical Tracking Courses. |  |  |  |  |
|  | Term hours subtotal: | 16 |  |  |
| Term 5 61-75 Credit Hours |  | Hours | Minimum Grade | Notes |


| SHS 310: Anatomical and Physiological Bases of Speech | 3 | C |  |
| :---: | :---: | :---: | :---: |
| SHS 311: Hearing Science | 3 | C |  |
| SHS 367: Language Science (SB) | 3 | C |  |
| Upper Division Literacy and Critical Inquiry (L) | 3 |  |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours | Hours | Minimum Grade | Notes |
| SHS 375: Speech Science | 3 | C |  |
| SHS 401: Introduction to Audiology | 3 | C |  |
| SHS 465: Speech and Language Acquisition (SB) | 3 | C |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours | Hours | Minimum Grade | Notes |
| SHS 470: Developmental Speech and Language Disorders | 3 | C |  |
| SHS 496: Aural Rehabilitation | 3 | C |  |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Elective | 3 |  |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours | Hours | Minimum Grade | Notes |
| SHS 402: Clinical Methods and Treatment of Communication Disorders | 3 | C |  |
| SHS 485: Acquired Speech and Language Disorders | 3 | C |  |
| Complete 3 courses: Upper Division Elective | 9 |  |  |
| Term hours subtotal: | 15 |  |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement.A A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. At At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map

## Transborder Chicana/o \& Latina/o Studies (Media and Expressive Culture), BA

College of Liberal Arts and Sciences
Campus:Tempe
LATCLMBA

| Term 1 0-14 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division TCLS course taught in Spanish |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| LIA 194: Academic Success Seminar, Intro to Liberal Arts and Sciences | 1 |  |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). | 4 | C |  |
| 1. Minimum 2.00 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-29 Credit Hours | Hours | Minimum Grade | Notes |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). | 4 | C |  |
| Elective OR <br> Minor Course | 2 |  |  |
| 1. Minimum 2.00 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 3 30-43 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| 4 TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches | 3 | C |  |
| TCL 220: Transborder Latina/o Expressive Culture ((L or HU) \& C) | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). | 4 | C |  |
| 1. Minimum 2.00 GPA ASU Cumulative. |  |  |  |
| Complete First-Year Composition requirement. |  |  |  |
| Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 4 44-60 Credit Hours Critical course signified by ${ }^{\text {¢ }}$ | Hours | Minimum Grade | Notes |
| 1 TCL 202: Transborder Society and Culture II: Contemporary Issues (SB \& C) | 3 | C | - Complete Spanish language proficiency by end of semester 4 |
| Media and Expressive Culture Track Course | 3 | C |  |

Second Language: Requirement satisfied through the following:

* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).

| Natural Science - Quantitative (SQ) OR | 4 |  |
| :--- | :--- | :--- |
| Natural Science - General (SG) | 3 | C |
| Literacy and Critical Inquiry (L) | 3 |  |

1. Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 17

| Term 5 61-75 Credit Hours |  | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: | :---: |
| TCL 303: Transborder Theory |  | 3 | C |  |
| TCL 332: Mexican American History Since 1900 (SB \& H \& C) OR HST 332: Mexican American History Since 1900 (SB \& H \& C) |  | 3 | C |  |
| Media and Expressive Culture Track Course |  | 3 | C |  |
| Upper Division Literacy and Critical Inquiry (L) |  | 3 |  |  |
| SPA Upper Division Elective OR Upper Division Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours |  | Hours | Minimum Grade | Notes |
| TCL 304: Transborder Research Methods |  | 3 | C |  |
| Complete 2 courses: <br> Media and Expressive Culture Track Course |  | 6 | C |  |
| Upper Division Elective OR Upper Division Minor Course |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours |  | Hours | Minimum Grade | Notes |
| TCL 305: Transborder Practicum and Field Research. |  | 3 | C |  |
| Media and Expressive Culture Track Course |  | 3 | C |  |
| Complete 2 courses: <br> TCL Upper Division Elective |  | 9 | C |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| TCL 498: Pro-Seminar |  | 3 | C |  |
| Global Awareness (G) |  | 3 |  |  |
| Complete 2 courses: <br> Upper Division Elective OR Upper Division Minor Course |  | 9 |  |  |
|  | Term hours subtotal: | 15 |  |  |

[^4]| TCL 310: Transborder Chicano/a and Latino/a Folklore of Southwest North America (HU \& C) |
| :---: |
| TCL 328: Latina/o and Latin American Religions and Cultures (HU \& C) |
| TCL 331: Mexican American History to 1900 (SB \& H \& C) |
| TCL 350: Transborder Mexican and Chicano/a Artistic Production (HU \& C \& G) |
| TCL 351: Transborder Chicano/a and Latino/a Art (HU \& C) |
| TCL 352: Chicana/o Film (C) |
| TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) \& C) |
| TCL 364: Transborder Chicana/o and Mexican Literature of Southwest North America Before 1917 (L \& C) |
| TCL 370: Signs of Aliens: Semiotics of Film and Popular Culture (HU) |
| TCL 445: Transborder Latin American Short Story (L or HU) |
| TCL 446: Comparative Bilingual Latina/o Poetics ((L or HU) \& C) |
| TCL 464: Latina/o Literature ((L or HU) \& C) |
| TCL 465: Chicana/o and Latina/o History on Film (HU \& C) |
| TCL 466: Constructing the Border on Film (C) |
| TCL 470: Race, Sex, and Identity Online (HU) |
| TCL 471: Latinos In Hollywood |
| TCL 484: Internship |
| TCL 485: Chicana and Latina Writers ((L or $\mathrm{HU}) \& \mathrm{C}$ ) |
| TCL 488: Border Global Narratives (L \& C) |

## Notes:

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- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. Â At least one of the two courses taken from the list must be upper division.Â Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. At At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses.Â When you complete both courses, all three learning goals must be filled in order to complete the requirement.Â Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)


## General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

## 2011-2012 Major Map

## Transborder Chicana/o \& Latina/o Studies (Transborder Community Development and Health), BA

College of Liberal Arts and Sciences
Campus:Tempe
LATCLTBA

| Term 1 0-14 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division TCLS course taught in Spanish |
| LIA 194: Academic Success Seminar or First-Year Seminar | 1 |  |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). | 4 | C |  |
| 9. Minimum 2.00 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-30 Credit Hours | Hours | Minimum Grade | Notes |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Social and Behavioral Sciences (SB) | 3 |  |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). | 4 | C |  |
| Elective OR <br> Minor Course | 3 | C |  |
| 1. Minimum 2.00 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 3 31-44 Credit Hours Critical course signified by 9 | Hours | Minimum Grade | Notes |
| 1. TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches | 3 | C |  |
| Literacy and Critical Inquiry (L) | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). | 4 | C |  |
| 1. Minimum 2.00 GPA ASU Cumulative. |  |  |  |
| 1. Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 4 45-60 Credit Hours Critical course signified by ${ }^{\text {a }}$ | Hours | Minimum Grade | Notes |
| 1. TCL 202: Transborder Society and Culture II: Contemporary Issues (SB \& C) | 3 | C | - Complete Spanish language proficiency by end of semester 4 |
| Transborder Community Development \& Health Track Course | 3 | C |  |



$$
\begin{aligned}
& \text { TCL 321: Transborder Community } \\
& \text { Development and Health } \\
& \text { TCL 323: Latino Health Issues (SB \& C) } \\
& \text { TCL 326: Health of Chicanas and Latinas (SB } \\
& \text { \& C) } \\
& \text { TCL 327: Health and Migration (SB) } \\
& \text { TCL 331: Mexican American History to } 1900 \\
& \text { (SB \& H \& C) } \\
& \text { TCL 335: Historical Studies in Race, Crime, } \\
& \text { and the Law } \\
& \text { TCL 342: Social Demographics of Latino } \\
& \text { Populations (SB \& C) } \\
& \text { TCL 373: Latina/Chicana Issues (SB \& C) } \\
& \text { TCL 410: Race, Medicine, and the Body (L) } \\
& \text { TCL 422: U.S.-Mexico Border Health } \\
& \text { TCL 424: Theory and Practice of Community } \\
& \text { Development and Health (SB) } \\
& \text { TCL 443: Political Ecology of the Border (SB } \\
& \text { \& G) } \\
& \text { TCL 444: The Ethography of Mexico and } \\
& \text { the Borderlands (SB \& G) } \\
& \text { TCL 447: Gender, Culture, and Development } \\
& \text { ((L or SB) \& G) } \\
& \text { TCL 484: Internship }
\end{aligned}
$$

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
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Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum Hrs Resident Credit for Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map

## Transborder Chicana/o \& Latina/o Studies (US and Mexican Regional Immigration Policy \& Economy), BA

College of Liberal Arts and Sciences
Campus:Tempe
LATCLUBA

| Term 1 0-14 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C | - An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam score determines placement in Mathematics course <br> - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. <br> - Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division TCLS course taught in Spanish |
| LIA 194: Academic Success Seminar or First-Year Seminar | 1 |  |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). | 4 | C |  |
| Elective OR <br> Minor Course | 3 |  |  |
| ¢. Minimum 2.00 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 2 15-30 Credit Hours | Hours | Minimum Grade | Notes |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). | 4 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Elective OR Minor Course | 3 |  |  |

Term hours subtotal:

| Term 3 31-44 Credit Hours Critical course signified by ${ }^{\text {P }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4 TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches | 3 | C |  |
| Literacy and Critical Inquiry (L) | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). | 4 | C |  |
| 1. Minimum 2.00 GPA ASU Cumulative. |  |  |  |
| 4 Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 14 |  |  |
| Term 4 45-60 Credit Hours Critical course signified by ${ }^{\text {P }}$ | Hours | Minimum Grade | Notes |
| 4 TCL 202: Transborder Society and Culture II: Contemporary Issues (SB \& C) | 3 | C | - Complete Spanish language proficiency by end of semester 4 |
| US \& Mexican Regional Immigration Policy \& Economy Track Course | 3 | C |  |


| Second Language: Requirement satisfied through the following: <br> * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). | 4 | C |  |
| :---: | :---: | :---: | :---: |
| Natural Science - Quantitative (SQ) OR <br> Natural Science - General (SG) | 4 |  |  |
| Elective OR <br> Minor Course | 2 |  |  |
| (1) Minimum 2.00 GPA ASU Cumulative. |  |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 5 61-75 Credit Hours | Hours | Minimum Grade | Notes |
| TCL 303: Transborder Theory | 3 | C |  |
| TCL 314: Transborder Regional Immigration and Economy ((L or SB) \& H \& C) | 3 | C |  |
| TCL 332: Mexican American History Since 1900 (SB \& H \& C) OR HST 332: null | 3 | C |  |
| SPA Upper Division Elective OR Upper Division Elective | 3 |  |  |
| Upper Division Elective OR Upper Division Minor Course | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 6 76-90 Credit Hours | Hours | Minimum Grade | Notes |
| TCL 304: Transborder Research Methods | 3 | C |  |
| TCL Upper Division Elective | 3 | C |  |
| Complete 2 courses: <br> Upper Division Elective OR Upper Division Minor Course | 3 | C |  |
|  | 6 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 91-105 Credit Hours | Hours | Minimum Grade | Notes |
| TCL 305: Transborder Practicum and Field Research. | 3 | C |  |
| TCL 443: Political Ecology of the Border (SB \& G) OR <br> TCL 444: The Ethnography of Mexico and the Borderlands (SB \& G) OR TCL 447: Gender, Culture, and Development ((L or SB) \& G) | 3 | C |  |
| Complete 2 courses: <br> TCL Upper Division Elective | 6 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 106-120 Credit Hours | Hours | Minimum Grade | Notes |
| TCL 498: Pro-Seminar | 3 | C |  |
| Complete 2 courses: <br> US \& Mexican Regional Immigration Policy \& Economy Track Course | 6 | C |  |
| Complete 2 courses: <br> Upper Division Elective OR Upper Division Minor Course | 6 |  |  |
| Term hours subtotal: | 15 |  |  |

[^5]| TCL 331: Mexican American History to 1900 (SB \& H \& C) |
| :---: |
| TCL 335: Historical Studies in Race, Crime, and the Law |
| TCL 340: Chicana/o and Latina/o Politics and Policy (L \& C) |
| TCL 341: Policy Issues in Chicana/o and Latina/o Urban Settings (C) |
| TCL 342: Social Demographics of Latino Populations (SB \& C) |
| TCL 373: Latina/Chicana Issues (SB \& C) |
| TCL 443: Political Ecology of the Border (SB \& G) |
| TCL 444: The Ethnography of Mexico and the Borderlands (SB \& G) |
| TCL 447: Gender, Culture, and Development ((L or SB) \& G) |
| TCL 484: Internship |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. $\hat{A}$ A list of all approved courses, may be found at http://clas.asu.edu/scienceandsociety. $\hat{A}$ At least one of the two courses taken from the list must be upper division. $\hat{A}$ Science and society courses cannot be used to also fill core general studies requirements such as $\mathrm{SB}, \mathrm{HU}, \mathrm{SQ}$ or SG . Only one of the courses taken for science and society can be usec to fill a major, minor or related fields requirement. $\hat{A}$ At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. $\hat{A}$ When you complete both courses, all three learning goals must be filled in order to complete the requirement. $\hat{A}$ Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.

Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Urban Planning, BSP <br> College of Liberal Arts and Sciences <br> Campus:Tempe <br> ARPUPBSP



Term hours subtotal:
16

| Term 4 46-60 Credit Hours Critical course signified by | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 1. PUP 301: Introduction to Urban Planning (L) | 3 | C |  |
| 1. Computer/Statistics/Quantitative Applications (CS) | 3 | C |  |
| Upper Division Social and Behavioral Sciences (SB) AND Cultural Diversity in the U.S. <br> (C) OR <br> Upper Division Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) | 3 |  |  |
| Complete 2 courses: Elective | 6 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 5 61-77 Credit Hours | Hours | Minimum Grade | Notes |
| PUP 361: Introductory Urban Planning Studio | 4 | C |  |
| PUP 424: Planning Methods | 4 | C |  |


| PUP Upper Division Elective | 3 | C |  |
| :---: | :---: | :---: | :---: |
| Upper Division CLAS Science and Society Elective | 3 | C |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 6 78-92 Credit Hours | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| PUP 363: History of Planning | 3 | C |  |
| PUP 434: Urban Land Economics OR <br> PUP 442: Environmental Planning | 3 | C |  |
| Upper Division Related Area Course | 3 | C |  |
| Complete 2 courses: Upper Division Elective | 6 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 7 93-107 Credit Hours | Hours | Minimum Grade | Notes |
| PUP 432: Planning and Development Control Law OR <br> PUP 433: Zoning Ordinances, Subdivision Regulations, and Building Codes | 3 | C |  |
| PUP 436: City Structure and Planning | 3 | C |  |
| PUP Upper Division Elective | 3 | C |  |
| Upper Division Related Area Course | 3 | C |  |
| Elective | 3 |  |  |
| Term hours subtotal: | 15 |  |  |
| Term 8 108-120 Credit Hours | Hours | Minimum Grade | Notes |
| Upper Division Related Area Course | 3 | C |  |
| PUP 452: Ethics and Theory in Planning (L) | 3 | C |  |
| PUP 462: Planning Workshop II | 4 | C |  |
| Upper Division Elective | 3 |  |  |
| Term hours subtotal: | 13 |  |  |


| Related Area Course | Computer/ Statistics/ Quantitative <br> Applications Course |
| :--- | :--- |
| ECN 382: Managerial Economics | ABS 350: Applied Statistics (CS) |
| ECN 404: History of Economic Thought (SB) | CRJ 303: Statistical Analysis (CS) |
| ECN 441: Public Economics (SB) |  |
| GCU 359: Cities of the World I (SB \& G \& |  |
| GCU 495: Quantitative Methods in |  |
| Geography (CS) |  |

## Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
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Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

## 2011-2012 Major Map Women and Gender Studies, BA

College of Liberal Arts and Sciences
Campus:Tempe
LAWSTBA

| Term 1 0-14 Credit Hours Critical course signified by ${ }^{\text {d }}$ | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| 4 WST 100: Women, Gender, and Society (SB \& C) | 3 | C | - An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses <br> - ASU Math Placement Exam (ALEKS) determines placement into Mathematics courses <br> - ASU 101 or LIA 194 or College-specific equivalent First Year Seminar required of all freshman students <br> - Consult academic advisor for Academic Success Cluster and First Year Seminar options |
| LIA 194: Academic Success Seminar, Intro to Liberal Arts and Sciences | 1 |  |  |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| MAT 142: College Mathematics (MA) | 3 | C |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Term hours subtotal: | 14 |  |  |


| Term 2 15-30 Credit Hours | Hours | Minimum Grade | Notes |
| :---: | :---: | :---: | :---: |
| ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students | 3 | C |  |
| WST Elective | 3 | C |  |
| Computer/Statistics/Quantitative Applications (CS) | 3 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Humanities, Fine Arts and Design (HU) | 3 |  |  |
| Term hours subtotal: | 16 |  |  |
| Term 3 31-47 Credit Hours Critical course signified by ${ }^{\text {- }}$ | Hours | Minimum Grade | Notes |
| Related Area Course | 3 | C | - Selection of general studies courses will be determined by elective courses taken to fill the major |
| Literacy and Critical Inquiry (L) | 3 |  |  |
| Global Awareness (G) | 3 |  |  |
| Natural Science - General (SG) OR <br> Natural Science - Quantitative (SQ) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. | 4 | C |  |
| Complete First-Year Composition requirement. |  |  |  |
| 4 Complete Mathematics (MA) requirement. |  |  |  |
| Term hours subtotal: | 17 |  |  |
| Term 4 48-61 Credit Hours Critical course signified by ${ }^{\text {4 }}$ | Hours | Minimum Grade | Notes |
| 1. WST 380: Race, Gender, and Class (SB \& C) | 3 | C |  |
| WST 377: History of American Feminist Thought (H \& C) OR WST 378: Global Feminist Theory (L \& C \& G) | 3 | C |  |
| Natural Science - Quantitative (SQ) | 4 |  |  |
| Second Language: Requirement satisfied through the following: <br> * Completion of a language course at the intermediate level (202 or equivalent), including <br> American Sign Language IV. | 4 | C |  |
| Term hours subtotal: | 14 |  |  |


| Term 5 62-76 Credit Hours |  | Hours | $\begin{aligned} & \text { Minimum } \\ & \text { Grade } \end{aligned}$ | Notes |
| :---: | :---: | :---: | :---: | :---: |
| Complete 2 courses: <br> WST Upper Division Elective |  | 6 | C |  |
| Upper Division Related Area Course |  | 3 | C |  |
| Historical Awareness (H) |  | 3 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 6 77-91 Credit Hours |  | Hours | Minimum Grade | Notes |
| WST Upper Division Elective |  | 3 | C |  |
| Upper Division Related Area Course |  | 3 | C |  |
| Humanities, Fine Arts and Design (HU) |  | 3 |  |  |
| Complete 2 courses: Upper Division Elective |  | 6 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 7 92-106 Credit Hours |  | Hours | Minimum Grade | Notes |
| WST 484: Internship |  | 3 | C |  |
| Upper Division Related Area Course |  | 3 | C |  |
| WST Upper Division Elective |  | 3 | C |  |
| Humanities, Fine Arts and Design (HU) OR Social and Behavioral Sciences (SB) |  | 3 |  |  |
| Elective |  | 3 |  |  |
|  | Term hours subtotal: | 15 |  |  |
| Term 8 107-120 Credit Hours |  | Hours | Minimum Grade | Notes |
| WST 498: Pro-Seminar |  | 3 | C |  |
| Upper Division Related Area Course |  | 3 | C |  |
| Upper Division Elective |  | 3 |  |  |
| Elective |  | 3 |  |  |
| Elective |  | 2 |  |  |
|  | Term hours subtotal: | 14 |  |  |
| Women and Gender Studies Related Area Courses |  |  |  |  |
| AFH 331: Studies in African American Women Writers of Pre-Harlem Renaissance |  |  |  |  |
| AFR 375: Race, Gender and Sport (SB \& C) |  |  |  |  |
| AFR 460: Race, Gender and Media (C) |  |  |  |  |
| AFS 312: Contemporary African and African Diaspora Women |  |  |  |  |
| ALD 404: Sexuality in Mid-Life and Beyond |  |  |  |  |
| ALD 472: Women, Aging and the Life Course |  |  |  |  |
| AMS 431: Gender and Sexuality in Sports |  |  |  |  |
| APA 330: Asian Pacific American Genders and Sexualities (SB \& C) |  |  |  |  |
| ARB 341: Quran Text and Women |  |  |  |  |
| ARS 485: Women in the Visual Arts (L) |  |  |  |  |
| ASB 210: Human Sexuality: Anthropological Perspectives (SB) |  |  |  |  |
| ASB 211: Women in Other Cultures ((HU or SB) \& G) |  |  |  |  |


| ASB 440: Women in the Global Factory (SB \& G) |
| :---: |
| ASB 441: Sexuality and Culture (SB \& G) |
| COM 316: Gender and Communication (SB \& C) |
| COM 416: Gender, Race, Colonialism, and Media |
| COM 446: Performance of Literature Written by Women ((L or HU) \& C) |
| CRJ 305: Women, Crime, and Justice (C) |
| CSS 432: Issues in Chicana and Chicano Gender (C) |
| ENG 364: Women and Literature (HU) |
| ENG 454: Gender and Literature (L or HU) |
| ENG 455: Contemporary Women |
| ENG 460: Ethnic Women Writers |
| ENG 461: Women and Literature |
| ENG 462: Africana Literature |
| FAS 332: Human Sexuality (SB) |
| FAS 436: Sexuality in Mid-Life and Beyond |
| FAS 472: Women, Aging and the Life Course |
| FMS 270: Race and Gender in American Film ( $\mathrm{HU} \& \mathrm{C}$ ) |
| HPS 312: History of Women in Science and Medicine (HU or SB) |
| HST 327: Women in US History 1600 to 1880 ((HU or SB) \& C \& H) |
| HST 328: Women in US History, 1880-1980 ((HU or SB) \& C \& H) |
| HST 329: Women in 20th-Century US West ( $\mathrm{H} \& \mathrm{C}$ ) |
| HST 330: Mexican Women in the U.S. ((L or SB) \& H \& C) |
| HST 365: Women in Europe, 1750 to Present ((L or HU or SB$) \& \mathrm{H})$ |
| HST 377: Women in Colonial Latin America (H) |
| HST 378: Latin American Women: The National Period (SB \& G \& H) |
| HST 415: Unequal Sisters/Women-Pol/Cult ((L or SB) \& H \& C) |
| HST 464: Women in Europe to 1750 (H) |
| HST 465: Women in Europe, 1750 to Present ((L or HU or SB) \& H) |
| HTY 360: Women and Science (L \& H) |
| IAP 310: Women in Art |
| IAS 310: Women in Art |
| JUS 329: Domestic Violence (SB) |
| JUS 415: Gender and International Development (L \& G) |
| JUS 420: Women, Work, and Justice ((L or SB) \& C) |
| JUS 422: Women, Law, and Social Control |
| JUS 425: Race, Gender, and Justice ((L or SB) \& C) |
| JUS 460: Feminism and Justice (C) |

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KIN 441: Physiology of Women in Sport (L)
LSC 363: Genes, Race, Gender, and Society
(L)
MCO 460: Race, Gender, and Media (C)
MUS 410: History of Women in Music (HU
& C & H)
PGS 385: Psychology of Gender
POS 435: Women and Politics (SB & C)
POS 436: Gender, Sexuality, Nation-States
POS 437: Women, Power, and Politics (G)
PSY 369: Biology of Human Sexuality
PUP 445: Women and Environments (C)
REL 369: Women in Islam
REL 373: Women in Judaism
REL 390: Women and Religion (HU & G)
REL 393: Religion and Sexuality (HU)
REL 396: Women in the Bible
SOC 315: Courtship and Marriage (SB)
SOC 417: Family Violence (SB)
SOC 424: Women and Health (SB)
SOC 464: Gender and Society (SB & C)
TCL 270: Race and Gender in American Film
(HU & C)
WSH OR WST Upper Division Elective
```


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Total Hours: 120
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Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum Hrs Resident Credit for Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

## General University Requirements Legend

General Studies Core Requirements:

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- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2011-2012 academic year.

Bachelor of Applied Science Degree
2011-2012 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 2011-2012 |
| 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 |  |  |  |
| Upper-division Literacy [L] | 3 |  |  |  |
| Upper-division Humanities [HU] and [H] [C] | 3 |  |  |  |
| Upper-division Social Science [SB] | 3 |  |  |  |
| General Studies [HU or SB] and [G] | 3 |  |  |  |
| Sub | 19 | Hrs. |  |  |

## 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. |  |  |  |  |  |  |  |  |

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 |  |  |  |


| BAS Degree <br> Bummary <br> Sum |
| :--- |
| \begin{tabular}{\|l|c|}
\hline
\end{tabular}Credit <br> Hours |
| Degree Block Transfer |
| General Studies |
| B.A.S. Area Core |
| Technical Writing |
| Assignable Credits |

Total (120 Hours Minimum)

## Advisor Comments

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

Total Upper Division Hours $\qquad$

Total ASU Resident Hours $\qquad$

Student Signature

Advisor/Chair Signature
Date



[^0]:    CHM/ BIO/ PHY Approved Courses
    CHM 107: Chemistry and Society (SQ \& G)
    AND CHM 108: Chemistry and Society
    Laboratory (SQ)
    CHM 113: General Chemistry I (SQ)
    CHM 114: General Chemistry for Engineers (SQ)

    BIO 100: The Living World (SQ)
    BIO 181: General Biology I (SQ)
    PHY 101: Introduction to Physics (SQ)
    PHY 111: General Physics (SQ)AND PHY 113: General Physics Laboratory (SQ)

    PHY 121: University Physics I: Mechanics (SQ)AND PHY 122: University Physics Laboratory I (SQ)

[^1]:    ${ }^{1}$ Complete First-Year Composition and Mathematics (MA) requirement by the end of term 3 ${ }^{2}$ Integrated Studies courses are selected in consultation with an advisor. Students may not choose to major in Integrated Studies as freshmen. Instead, the major is approved on a case by case basis from students who have completed at least 30 graded hours at ASU and who have earned a minimum GPA of 3.25 . In addition, students are required to submit three letters from faculty who are willing to mentor them through the program as well as to design a set of courses that create a holistic major that is unavailable at ASU in any other form. All information is to be submitted to Asst. Dean Barbara Colby, who will determine the viability and integrity of the proposed degrees

[^2]:    Notes:

    - All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
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    - Students will choose either a Latin Emphasis or a Greek Emphasis. Students should work with their advisor to determine which language courses to enroll in each semester. Students must maintain a 3.0 GPA in chosen target language courses.
    - Degree offerings in the School of International Letters \& Cultures are flexible liberal arts majors. Students must bear in mind that the credits toward the major and minor can only be accumulated after completion of preparatory language courses. These preparatory courses are not major requirements and do not count toward the hours the student needs to complete degree requirements. Demonstrated proficiency at the intermediate level is required for enrollment in major requirement courses. Students are strongly encouraged to contact an academic advisor regarding clarifications on course applicability.

[^3]:    Notes:

    - All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the

[^4]:    Media and Expressive Culture
    TCL 101: Introduction to Transborder Chicana/o and Latina/o Studies (HU \& C)

    TCL 111: Introduction to Transborder Chicana/o and Latina/o Culture (C)

    TCL 210: Introduction to Ethnic Studies in the U.S. (C)

    TCL 211: Transborder Chicano/a and Latino/a Poetry

    TCL 220: Transborder Latina/o Expressive Culture ((L or HU) \& C)

    TCL 270: Race and Gender in American Film (HU \& C)

    TCL 305: Transborder Practicum and Field Research.

[^5]:    US \& Mexican Regional Immigration Policy \& Economy

    TCL 101: Introduction to Transborder Chicana/o and Latina/o Studies (HU \& C)

    TCL 111: Introduction to Transborder Chicana/o and Latina/o Culture (C)

    TCL 305: Transborder Practicum and Field Research.

    TCL 314: Transborder Regional Immigration and Economy ((L or SB) \& H \& C)

