## Advising Worksheet <br> Bachelor of Science Degree Major in Biology Environmental Sciences Option

General Bulletin 2015-2017
TRANSFER INSTITUTION(S):
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## General Education Requirements - See Attached Page for Specific Courses

| General Education Category | Course \# | Credits | Grade | Semester | Equivalent |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Category I: Global Academic Skills (9 credits) <br> A. Mathematics (3 credits) <br> M 171 \& STAT 216 - Major requirements |  |  |  |  |  |
| B. English (3 credits) |  |  |  |  |  |
| C. Communication \& Information Literacy (3 credits) |  |  |  |  |  |
| Category II: Natural Sciences (7 credits) <br> 2 lectures ( 6 credits) \& 1 lab ( 1 credit) <br> ( 1 life science \& 1 physical science \& 1 lab) |  |  |  |  |  |
|  |  |  |  |  |  |
| CHMY 141 - Major requirements |  |  |  |  |  |
| Category III: Social Sciences and History (6 credits) A. Social Science (3 credits) |  |  |  |  |  |
| B. History (3 credits) |  |  |  |  |  |
| Category IV: Cultural Diversity (3 credits) |  |  |  |  |  |
| Category V: Arts \& Humanities (6 credits) <br> A. Fine Arts (3 credits) |  |  |  |  |  |
| B. Humanities (3 credits) |  |  |  |  |  |

A minimum grade of " $C$-"is required in all General Education courses.
Note: Certain degrees may require a minimum grade of "C" in General Education courses.
Students should consult with their advisors to determine if specific courses are necessary in order to satisfy the General Education requirements within this program.
Certain courses in this program have prerequisites; students should check the course descriptions in the General Bulletin for required prerequisites.

Reviewed:
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## General Education Requirements



Integrated Sciences


| Subcategory B |  | History | 3 credits |
| :--- | :---: | :--- | ---: |
| HSTA | 101 | American History I | 3 |
| HSTA | 102 | American History II | 3 |
| HSTR | 101 | Western Civilization I | 3 |
| HSTR | 102 | Western Civilization II | 3 |
| HSTR | 103 | Honors Western Civilization I | 3 |
| HSTR | 104 | Honors Western Civilization II | 3 |
| PSCI | 230 | Introduction to International Relations | 3 |


| CATEGORY IV: | CULTURAL DIVERSITY | 3 credits |  |
| :--- | :--- | :--- | ---: |
| A\&SC/WGSS 274 | Women, Culture, and Society | 3 |  |
| ANTY | 220 | Culture and Society | 3 |
| ARTH | 160 | Global Visual Culture | 3 |
| COMX | 212 | Introduction to Intercultural Communication | 3 |
| GPHY | 121 | Human Geography | 3 |
| HTH | 270 | Global Health Issues | 3 |
| LIT | 230 | World Literature Survey | 3 |
| MUSI | 207 | World Music | 3 |
| NASX | 105 | Introduction to Native American Studies | 3 |
| NASX | 205 | Native Americans in Contemporary Society | 3 |
| PHL | 271 | Indian Philosophies and Religions | 3 |
| PHL | 272 | Chinese Philosophies and Religions | 3 |
| REHA | 201 | Introduction to Diversity in Counseling | 3 |
| RLST | 170 | The Religious Quest | 3 |
| SPNS | 150 | The Hispanic Tradition | 3 |


| CATEGORY V: | ARTS \& HUMANITIES | 6 credits |  |
| :--- | :---: | :--- | ---: |
| Students |  | are required to take one course from each subcategory |  |
| Subcategory | A | Fine Arts | 3 credits |
| ARTZ | 101 | Art Fundamentals | 3 |
| ARTZ | 105 | Visual Language-Drawing | 3 |
| ARTZ | 131 | Ceramics for Non-majors | 3 |
| CRWR | 240 | Intro Creative Writing Workshop | 3 |
| FILM | 160 | Introduction to World Cinema | 3 |
| LIT | 270 | Film \& Literature | 3 |
| MART | 260 | Computer Presentation and Animation | 3 |
| MUSI | 101 | Enjoyment of Music | 3 |
| MUSI | 114 | Band: MSUB Symphonic | 1 |
| MUSI | 131 | Jazz Ensemble I: MSUB | 1 |
| MUSI | 147 | Choral Ensemble: University Chorus | 1 |
| PHOT | 154 | Exploring Digital Photography | 3 |
| THTR | 101 | Introduction to Theatre | 3 |
| THTR | 120 | Introduction to Acting I | 3 |
| Subcategory B | Humanities | 3 credits |  |
| ARTH | 150 | Introduction to Art History | 3 |
| HONR | 111 | Perspectives and Understanding | 3 |
| LIT | 110 | Introduction to Literature | 3 |
| LIT | 240 | The Bible as Literature | 3 |
| PHL | 110 | Introduction to Ethics | 3 |
| PHL | 111 | Philosophies of Life | 3 |

A minimum grade of $C$ - or better is required in all major coursework
Biology Requirements

| *BIOB | 160 | Principles of Living Systems | 3 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| * BIOB | 161 | Principles of Living Systems Lab | 1 |  |  |  |
| BIOB | 170 | Principles of Biological Diversity | 3 |  |  |  |
| BIOB | 171 | Principles of Biological Diversity Lab | 1 |  |  |  |
| BIOB | 260 | Cellular and Molecular Biology | 3 |  |  |  |
| BIOB | 261 | Cellular and Molecular Biology Lab | 1 |  |  |  |
| BIOM | 360 | General Microbiology | 3 |  |  |  |
| BIOM | 361 | General Microbiology Lab | 1 |  |  |  |
| BIOE | 370 | General Ecology | 3 |  |  |  |
| BIOE | 371 | General Ecology Lab | 1 |  |  |  |
| BIOB | 375 | General Genetics | 3 |  |  |  |
| BIOB | 376 | General Genetics Lab | 1 |  |  |  |
| BIOB <br> OR <br> BIOB | 490 | Undergraduate Research | 2 |  |  |  |
| BIOB | 498 | Internship/Cooperative Education | Senior Thesis/Capstone | 1 |  |  |

Upper Division Biology Electives ( $\mathbf{1 1}$ credits selected in consultation with advisor)

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Chemistry Electives (choose 8 credits of Chemistry electives from the following)

| BCH | 380 | Biochemistry | 3 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| BCH | 381 | Biochemistry Lab | 1 |  |  |  |
| CHMY | 311 | Analytical Chemistry - Quantitative Analysis | 3 |  |  |  |
| CHMY | 312 | Analytical Chemistry Lab - Quantitative Analysis | 1 |  |  |  |
| CHMY | 421 | Advanced Instrument Analysis | 3 |  |  |  |
| CHMY | 422 | Advanced Instrument Analysis Lab | 1 |  |  |  |
| Chemistry Total |  |  |  |  |  |  |

Mathematics and Statistics Requirement

| ${ }^{*} \mathrm{M}$ | 171 | Calculus I | 4 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| ${ }^{*}$ STAT | 216 | Introduction to Statistics | 4 |  |  |  |
| Math and Statistics Total |  |  |  |  |  | $\mathbf{8}$ |

[^0]Physics Requirement (choose one Physics course with lab)

| *PHSX | 205 | College Physics I | 3 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| *PHSX | 206 | College Physics I Lab | 1 |  |  |  |
| OR | Physics I | 3 |  |  |  |  |
| PHSX | 220 | Physics I Lab | 1 |  |  |  |
| PHSX | 221 | 4 | 4 |  |  |  |
|  |  |  |  |  |  |  |

Earth Science and Geography Requirements

| *GEO | 101 | Introduction to Physical Geology | 3 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| *GEO | 102 | Introduction to Physical Geology Lab | 1 |  |  |  |
| GEO | 205 | Mineralogy | 4 |  |  |  |
| GPHY |  | Mapping Techniques | 3 |  |  |  |
| Upper <br> (9 cred |  | cience Electives <br> om courses in GEO, ERTH, or GPHY) |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  | Earth Science \& Geography | 20 |  |  |  |

Electives

| ENST 385 | 3 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | Environmental Impact and Policy Analysis <br> (Recommended course) | 3 |  |  |
|  |  |  |  |  |

Bachelor of Science Degree in Biology - Environmental Sciences Option

Categories

## General Education

Biology Requirements
Chemistry Requirements
Math / Statistics Requirements
Physics Requirements
Earth Sci. \& Geog. Requirements
Electives (variable)
Total

CreditsEarned Remaining

**4 credits that also satisfy General Education requirements are not included in the total number of credits.
***3 credits that also satisfy General Education requirements are not included in the total number of credits.
The total number of elective credits required for the degree will be determined by the number of courses a student elects to take which fulfill both the General Education requirements and the major requirements. Electives should be chosen in consultation with an academic advisor.

It is the student's responsibility to know and meet the requirements for graduation.

A minimum of 36 credits must be upper division classes ( $\mathbf{3 0 0}$ and above).


[^0]:    *May satisfy General Education requirements

