The Interdisciplinary Science program is designed for students who want a broadly based education in the natural sciences rather than an in-depth study of one field. The program covers two specializations: Zoo Science (BS) and Interdisciplinary Sciences (BA). Because some professional and graduate schools prefer their applicants to demonstrate excellence in a specific discipline, the interdisciplinary science major considering graduate or professional (dentistry, medicine, optometry or veterinary medicine) studies should consult a faculty advisor.

Zoo Science Specialization

The Zoo Science Specialization is designed for and limited to students who have completed an A.S. in Zoo Animal Technology. No more than 24% of the program requirements for this degree may be in traditional business subjects. It provides further study of the field with an emphasis on the biological sciences. The specialization has been designed to prepare students for a wide variety of careers in the animal industry, in such fields as zookeeper, curator, or director or operating one’s own animal industry business. It is not designed as a pre-veterinary medicine program and does not include all of the courses normally required for admission to a college of veterinary medicine.

Minimum grade of “C” or better required in all courses in the program to include all Core, Specialization, Subcore, Major-Related, Electives and Common Prerequisites.

General Education

In addition to the General Education requirements listed on this page, students must satisfy all additional University requirements, including the Gordon Rule, multicultural, and foreign language requirements. With appropriate planning and coordination with an academic advisor, students may satisfy some of the general University requirements through the General Education curriculum. For a complete listing of general degree requirements, refer to the "University Requirements" (http://catalog.uwf.edu/undergraduate/universityrequirements) section of this catalog.

General Education Curriculum:

Communication

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
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Mathematics

Choose one course from Group A and one Additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra with Lab</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus I</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Mathematics for Liberal Arts I</td>
</tr>
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Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MAC 1114</td>
<td>Trigonometry</td>
</tr>
<tr>
<td>MAC 1140</td>
<td>Precalculus Algebra</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Calculus with Business Applications</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

Social Sciences

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States since 1877</td>
</tr>
<tr>
<td>ANT 2400</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Economics Macro</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American Politics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SPM 2010</td>
<td>Sport in Global Society</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
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</table>

Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States to 1877</td>
</tr>
<tr>
<td>ANT 2100</td>
<td>Introduction to Archaeology</td>
</tr>
<tr>
<td>CCJ 2002</td>
<td>Survey of Crime and Justice</td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Human Development Across the Lifespan</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>Western Perspectives I</td>
</tr>
<tr>
<td>EUH 1001</td>
<td>Western Perspectives II</td>
</tr>
<tr>
<td>FIN 2104</td>
<td>Personal Financial Planning</td>
</tr>
<tr>
<td>GEA 2000</td>
<td>Nations and Regions of the World</td>
</tr>
<tr>
<td>GEB 1011</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>IDH 1041</td>
<td>Honors Core 2</td>
</tr>
<tr>
<td>INR 2002</td>
<td>International Politics</td>
</tr>
<tr>
<td>MMC 2000</td>
<td>Principles of Mass Communication</td>
</tr>
<tr>
<td>PLA 2013</td>
<td>Survey of American Law</td>
</tr>
<tr>
<td>SOW 2192</td>
<td>Understanding Relationships in the 21st Century</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Current Social Problems</td>
</tr>
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</table>

Humanities

Choose one course from Group A and one additional course from either Group A or Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ARH 1000</td>
<td>Art Appreciation</td>
</tr>
<tr>
<td>LIT 2000</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>THE 2000</td>
<td>Theatre Appreciation</td>
</tr>
</tbody>
</table>

Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 2010</td>
<td>American Literature I</td>
</tr>
<tr>
<td>AML 2020</td>
<td>American Literature II</td>
</tr>
<tr>
<td>AML 2072</td>
<td>Sex, Money, and Power in American Literature</td>
</tr>
</tbody>
</table>
Natural Sciences

Choose one course from Group A and one additional course from either Group A or Group B

Group A
- AST 1002  Descriptive Astronomy
- BSC 1005  General Biology for Non-Majors
- BSC 1085  Anatomy and Physiology I
- BSC 2010  Biology I
- CHM 1020  Concepts in Chemistry
- CHM 2045  General Chemistry I
- ESC 2000  Introduction to Earth Science
- EVR 2001  Introduction to Environmental Science
- PHY 1020  Introduction to Concepts in Physics
- PHY 2048  Calculus-Based Physics I
- PHY 2048C  University Physics I - Studio
- PHY 2053  Algebra-Based Physics I

Group B
- ANT 2511  Biological Anthropology
- BOT 2010  General Botany
- BSC 1050  Fundamentals of Ecology
- BSC 1086  Anatomy and Physiology II
- BSC 2011  Biology II
- BSC 2311  Introduction to Oceanography and Marine Biology
- CGS 2060  Excursions in Computing
- CHM 1032  Fundamentals of General Chemistry
- CHM 2046  General Chemistry II
- CIS 2530  Introduction to Cybersecurity
- GEO 1200  Physical Geography
- GLY 2010  Physical Geology
- MCB 1000  Fundamentals of Microbiology
- PHY 2049  Calculus-Based Physics II
- PHY 2054  Algebra-Based Physics II
- PHY 2048  Calculus-Based Physics I

* May be taken with or without lab.
** General Physics is non-calculus based and is usually recommended for non-science majors. University Physics is calculus based and is usually recommended for science majors.
*** Although students receive 5 semester hours credit for PHY 2048C, an additional 3 semester science course will be needed to meet General Education requirements.

General Education Electives
Choose an additional course from two of the three areas of Humanities, Social Sciences and Natural Sciences

Students transferring from Florida Community Colleges with an A.S. should consult with an advisor in the department before determining which other courses will need to be taken to complete UWF’s General Education Program.

Multicultural Requirement

Multicultural Courses
An important component of a liberal education is the study of cultures other than one's own. As such, multiculturalism encompasses the appreciation of the values, expressions, and modes of organization of diverse cultural communities. To further such study, the University of West Florida requires all students pursuing a bachelor's degree to complete at least one course that explores one or more of the dimensions of another culture (language, religion, socio-economic structures, etc.). Students are exempt from this requirement if they have completed an A.A. degree, the general education program at a Florida public institution, or a baccalaureate degree.

The requirement is satisfied by the successful completion of a multicultural course designated on the following list. Several of the selections are General Education courses, and students may enroll in these to meet both the General Education and the multicultural requirements.

*Faculty Senate 11/8/2002

This list is continually updated and students are encouraged to check with their advisors for alternative options.

AML 2010  American Literature I  3
AML 2020  American Literature II  3
AML 3604  African American Literature  3
AML 3624  Black Women Writers  3
AML 4015  Topics in Nineteenth-Century American Literature  3

ANT 2000  Introduction to Anthropology  3
ANT 3212  Peoples and Cultures of the World  3
ANT 3312  North American Indians  3
ANT 3363  Japanese Culture  3
ANT 3403  Cultural Ecology  3
ANT 4006  Anthropology of Human Rights  3
ARH 1000  Art Appreciation  3
ARH 2050  Western Survey I: Prehistory to the Medieval Period  3
ARH 2051  Western Survey II: Renaissance to Contemporary  3
ARH 2052  Late Renaissance Art in Italy  3
ARH 4305  Early Renaissance Art in Italy  3
ARH 4412  The Age of Revolution to Romanticism  3
ARH 4450  Modern Art: 1850-1980  3
ARH 4470  Contemporary Art  3
ARH 4653  Art and Archaeology of Mesoamerica  3
CCJ 3678  Race, Gender, Ethnicity, and Crime  3
COM 3014  Gender Communication  3
COM 3461  Intercultural Communication  3
CPO 2002  Comparative Politics  3
CPO 3055  Dictatorships  3
CPO 3103  Politics of Western Europe  3
CPO 3322  Cuba, Castro and the USA  3
CPO 3513  Politics of the Far East-Japan and China  3
CPO 4303  Politics of Spain, Portugal, and Latin America  3
CPO 4792  Geopolitics  3
CRW 2001  Introduction to Creative Writing  3
EDF 2085  Teaching Diverse Populations  3
ENG 4013  Introduction to Literary Theory  3
ENL 2020  History of English Literature II  3
EUH 1000  Western Perspectives I  3
EUH 1001  Western Perspectives II  3
EUH 3203  Modern Europe  3
EUH 3411  Rome and the Mediterranean World  3
EUH 3576  Soviet Union since 1917  3
EUH 4239  Age of Empires  3
FRE 4955  Supervised Foreign Language Field Experience Abroad  1-3
GEO 3471  Geography of World Affairs  3
GEO 4341  Cultural Geography  3
GEB 4361  International Business  3
HIS 4316  Women in the Atlantic World  3
IDH 1041  Honors Core 2  3
INR 2002  International Politics  3
LIT 2xxx  Literature Course  3
LIT 2000  Introduction to Literature  3
LIT 2030  Introduction to Poetry  3
LIT 3233  Postcolonial Literature  3
LIT 4385  Feminist Theory  3
MAN 4102  Management of Diversity  3
MAR 4156  Seminar in International Marketing  3
MMC 3601  Minorities and the Mass Media  3
MMC 4300  Global Communication  3
MUH 2930  The Music Experience: Special Topics  3
NUR 4615  Community and Public Health Nursing  3
PSY 3680  Positive Psychology  3
REL 3142  New Perspectives on the Religious Self  3
REL 4420  Contemporary Theology  3
REL 3310  Philosophies of the East  3
REL 4592  Development of Christian Thought  3
SOP 3730  Psychology, Culture, and Society  3
SOW 4233  Human Diversity and Social Justice  3
SOW 4941  Immersive Experiences in Social Work  3
SPN 3400  Advanced Stylistics  3
SPN 4500  Spanish Civilization  3
SPN 4520  Latin American Culture and Civilization  3
SPN 4955  Intensive Spanish Abroad  1-5
SYO 4530  Inequality in America  3

Civics Literacy Requirement

1. Baccalaureate degree-seeking students initially entering a state university fall semester 2018 and thereafter must demonstrate competency in civics literacy through one of the following options prior to graduation:

   a. Successfully passing either POSX041 American Government or AMHX020 Introductory Survey Since 1877. Each of the courses must include the following competencies:

      i. Understanding of the basic principles and practices of American democracy and how they are applied in our republican form of government;

      ii. An understanding of the United States Constitution and its application;

      iii. Knowledge of the founding documents and how they have shaped the nature and functions of our institutions of self-government; and

      iv. An understanding of landmark Supreme Court cases, landmark legislation and landmark executive actions and their impact on law and society.

2. Achieving the standard score on one of the following assessments:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Standard Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. Citizenship and Immigration Services Naturalization Test</td>
<td>60</td>
</tr>
<tr>
<td>Advanced Placement Government and Politics: United States</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Placement United States History</td>
<td>4</td>
</tr>
<tr>
<td>CLEP American Government</td>
<td>50</td>
</tr>
</tbody>
</table>


Common Prerequisites

State mandated common prerequisites must be completed prior to graduation, but are not required for admission to the program. See the Common Prerequisite Manual ([https://dlss.flvc.org/admin-tools/common-prerequisites-manuals](https://dlss.flvc.org/admin-tools/common-prerequisites-manuals)) for course substitutions from Florida colleges and universities.

A grade of “C” or better is required in each of the Common Prerequisite courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045+L</td>
<td>General Chemistry I (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2046+L</td>
<td>General Chemistry II (+Lab)</td>
<td>4</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2xxx</td>
<td>Literature Course</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PAZ xxxx</td>
<td>Animal Science Courses</td>
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</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>
BSC 2010+L  Biology I (+Lab)  4
BSC 2011+L  Biology II (+Lab)  4
Choose one of the following:  3
   SPC 2608  Basic Communication Skills
   SPC 1600  (Pensacola State College)

Total Hours  52

* Indicates common prerequisites which can be used to satisfy General Education requirements.

**Major**

BSC 2844  Biology Skills  1
BSC 4303  Biogeography  3
PCB 3063C  Genetics  4
PCB 3253+L  Developmental Biology (+Lab)  4
PCB 4043+L  Ecology (+Lab)  4
PCB 4723+L  Comparative Animal Physiology (+Lab)  4
PCB 4922  Biology Seminar  1
ZOO 4513  Animal Behavior  3
Choose three of the following:  9-11
   PCB 4673  Principles of Evolution
   ZOO 4254C  Marine Invertebrate Zoology
   ZOO 4304C  Marine Vertebrate Zoology
   ZOO 4457  Ichthyology
   ZOO 4485  Marine Mammalogy
   ZOO 4472  Avian Science

Total Hours  33-35

**Major-Related**

ECO 3003  Principles of Economic Theory and Public Policy  3
FIN 3403  Managerial Finance  3
MAN 3025  Management Fundamentals  3
MAR 3023  Marketing Fundamentals  3
Choose two of the following:  5-6
   ACG 3082  Accounting for Non-Majors *
   STA 4173  Biostatistics
   3000/4000 level Biology Directed Study
   3000/4000 level Business Elective *

Required:

Animal Science (PAZ) courses transferred from Community College  11-12

Total Hours  28-30

* May be used to meet General Education requirements if student has not earned an A.A. from a Florida Public Institution. If the fine arts and historical issues requirements are met with lower division courses, students will be able to select an advisor approved 3000/4000 level course to fulfill the 48 hour upper division requirement.

+ Choosing these 2 Business courses affords students the opportunity to earn a Business Minor. Business minors must also include a computer literacy course. See advisor for details.

# Number of hours varies according to previous selection

The upper-division courses (3000-4000 level) with the following prefixes will be used in calculating the major grade point average: BCH, BOT, BSC, PCB, MCB, ZOO, and HSC.