WSU School of Computing
Computer Science
2019 Orientation
Where the Innovators Roam

**Computer Science** – “Coder”
- programming languages
- software engineering
- mobile apps and gaming

**Network Management Technology** – “Hands On”
- network technologies
- cybersecurity
- database development

**Web & User Experience** – “Design or Create”
- full stack web development
- user interface/experience
- web design

**Important Apps in the eWeber Portal**

- **Cattracks**
  - Details
  - Favorite

- **Grad Maps**
  - Details
  - Favorite

- **University Catalog**
  - Details
  - Favorite

- **Financial Aid and Scholarships**
  - Details
  - Favorite

- **Wildcat Mail**
  - Details
  - Favorite

- **Find My Advisor**
  - Details
  - Favorite

CS 1030 Foundations of Computing
CS 1400 Programming 1
CS 2550 Intro to Database
CORE GENERAL EDUCATION REQUIREMENTS

COMPOSITION (EN)
Complete ENGL 2010 Intermediate College Writing (3) and earn a “C” grade or better. See the WSU Catalog or weber.edu/placement for prerequisite information.

AMERICAN INSTITUTIONS (AI)
Select one of the following options and earn a “C” grade or better:
- POLS 1100 American National Government (3)
- HIST 1700 American Civilization (3)
- ECON 1740 Economic History of the U.S. (3)
- HIST 2700 & 2710 History of the U.S. to 1877 (3) AND History of the U.S. since 1877 (3) for History majors

QUANTITATIVE LITERACY (QL)
Select one of the following options and earn a “C” grade or better:
- MATH 1030 Contemporary Mathematics (3)
- MATH 1040 Introduction to Statistics (3)
- MATH 1050 College Algebra (4)
- MATH 1080 Pre-calculus (5)
- MATH 2020 Geometry for Elementary Teachers (3)
Any WSU Math class for which either MATH 1050 or 1080 is a prerequisite
A score of 26 or higher on the Math portion of the ACT
A score of 65 or higher on ALEKS
See the WSU Catalog or weber.edu/placement for prerequisite information.

INFORMATION LITERACY (IL)
Complete an exam or course option (see table below) and earn a “C” grade or better for a course or a passing exam score.

<table>
<thead>
<tr>
<th>Competency Exam</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIBS 1504 (1)</td>
<td>Libs 1704 Information Navigator (1)</td>
</tr>
<tr>
<td></td>
<td>Libs 2504 Info. Resources in History (1)</td>
</tr>
<tr>
<td></td>
<td>Libs/EDUC 2604 Info. Resources in Education (1)</td>
</tr>
<tr>
<td></td>
<td>Libs/BSAD 2704 Info. Resources in Business Disciplines (1)</td>
</tr>
<tr>
<td></td>
<td>Libs 2804 Info. Resources in Social Sciences (1)</td>
</tr>
<tr>
<td></td>
<td>Libs/HHTS 2904 Info. Resources in Health Professions (1)</td>
</tr>
</tbody>
</table>

DIVERSITY (DV)
Select 3 credits from the list of approved courses and earn a passing grade. Breadth general education courses marked with “♀” fulfill the Diversity requirement as well as the specified Breadth requirement.

CS, NMT and WEB English Placement and Sequence
Weber.edu/testingcenter/accuplacer
englishdept@weber.edu

CS Math Placement and Sequence
Weber.edu/testingcenter/aleks
math@weber.edu

MATH Placement
Level 6
Talk to an advisor or contact math@weber.edu for placement.

OR

AND Statistics
MATH 1040 or MATH 3410
HUMANITIES & CREATIVE ARTS

Select 9 credits (with at least 3 credits from Humanities and at least 3 credits from Creative Arts) and earn a passing grade.

**HUMANITIES**

**Anthropology**
- ANTH 1040 Language and Culture (3)

**Communication**
- COMM 2110 Interpersonal and Small Group Communication (3) **REQUIRED**

**Foreign Language**
- FL 2600 Introduction to Cultural and Literary Studies in Translation (3)

**Honors**
- HNRS 1110 Introduction to Honors: The Construction of Knowledge (3)
- HNRS 1540 Perspectives in the Humanities (3)
- HNRS 2010 Exploring Key Concepts in the Disciplines: Humanities (3)
- HNRS 2110 Intellectual Traditions: Great Ideas of the West in Classical and Medieval Eras (3)
- HNRS 2120 Intellectual Traditions: Great Ideas of the West in the Modern Era (3)
- HNRS 2130 Intellectual Traditions: Great Ideas of the East (3)

**English**
- ENGL 2200 Introduction to Literature (3)
- ENGL 2220 Introduction to Fiction (3)
- ENGL 2230 Introduction to Drama (3)
- ENGL 2240 Introduction to Poetry (3)
- ENGL 2510 Masterpieces of Literature (3)
- ENGL 2710 Perspectives on Women’s Literature (3)
- ENGL 3500 Introduction to Shakespeare (3)
- ENGL 3510 World Literature (3)
- ENGL 3520 Literature of the Natural World (3)
- ENGL 3750 Topics and Ideas in Literature (3)
- Music
- MUSC 1043 Music, the Arts & Civilizations (3)

**Philosophy**
- PHIL 1000 Introduction to Philosophy (3)
- PHIL 1120 Contemporary Moral Problems (3)
- PHIL 1250 Critical Thinking (3) **RECOMMENDED OR ENGL 2250**

**Theatre**
- THEA 2821 Period Styles in Design
- THEA 3323 History and Literature of Contemporary Theatre (3)

**CREATIVE ARTS**

**Art**
- ART 1010 Introduction to the Visual Arts (3)
- ART 1030 Studio Art for the Non-Art Major (3)
- ARTH 1090 Art and Architecture of the World: Paleolithic to AD 1000 (4)
- ARTH 1100 Art and Architecture of the World: AD 1000 to Present (4)

**Computer Science**
- CS 1010 Introduction to Interactive Entertainment (3) **RECOMMENDED**

**Dance**
- DANC 1010 Introduction to Dance (3)

**English**
- ENGL 2250 Creative Writing (3) **RECOMMENDED OR PHIL 1250**
- ENGL 2260 Introduction to Writing Short Fiction (3)
- ENGL 2270 Introduction to Writing Poetry (3)

**Honors**
- HNRS 1530 Perspectives in the Creative Arts (3)
- HNRS 2020 Exploring Key Concepts in the Disciplines: Creative Arts (3)

**Interior Design**
- IDT 1010 Introduction to Interior Design (3)

**Music**
- MUSC 1010 Introduction to Music (3)
- MUSC 1030 Introduction to Jazz (3)
- MUSC 1033 Introduction to American Music (3)
- MUSC 1035 History of Rock and Roll (3)
- MUSC 1040 Music of World Cultures (3)
- MUSC 1063 Music in Religion (3)

**Theatre**
- THEA 1013 Introduction to Theatre (3)
- THEA 1023 Introduction to Film (3)
- THEA 1033 Introduction to Acting (3)
- THEA 1043 Introduction to American Musical Theatre (3)
- THEA 1053 Introduction to Technical Production (3)

*Only one course from either ART or ARTH may be used to fulfill Creative Arts*

**SOCIAL SCIENCES**

Select 6 credits and earn a passing grade.

**Anthropology**
- ANTH 1000 Introduction to Anthropology (3)
- ANTH 2010 Peoples and Cultures of the World (3)
- ANTH 2030 Principles of Archaeology (3)

**Child and Family Studies**
- CHF 1500 Human Development (3)
- CHF 2400 Family Relations (3)

**Criminal Justice**
- CJ 1010 Introduction to Criminal Justice (3)

**Economics**
- ECON 1010 Economics as a Social Science (3)
- ECON 1100 Environmental Issues and Economic Policy (3)
- ECON 2010 Principles of Microeconomics (3)
- ECON 2020 Principles of Macroeconomics (3)

**Engineering Technology & Culture**
- ETC 2001 Engineering Culture (3)

**Geography**
- GEOG 1300 Places and Peoples of the World (3)
- GEOG 1520 Geography of the United States and Canada (3)

**Gerontology**
- GERT 1010 Introduction to Gerontology (3)

**Health Education**
- HLTH 1030 Healthy Lifestyles (3)

**History**
- HIST 1500 World History to 1500 C.E. (3)
- HIST 1510 World History from 1500 C.E. to the Present (3)

**Honors**
- HNRS 1520 Perspectives in the Social Sciences (3)
- HNRS 2050 Exploring Key Concepts in the Disciplines: Social Science (3)
- HNRS 2110 Intellectual Traditions: Great Ideas of the West in Classical and Medieval Eras (3)
- HNRS 2120 Intellectual Traditions: Great Ideas of the West in the Modern Era (3)
- HNRS 2130 Intellectual Traditions: Great Ideas of the East (3)

**Management Information Systems**
- MIS 1100 The Digital Society (3)

**Physical Education Professional**
- PEP 2700 Sociohistorical Aspects of Sport (3)

**Political Science**
- POLS 1520 Leadership & Political Life (3)
- POLS 2100 Introduction to International Politics (3)
- POLS 2200 Introduction to Comparative Politics (3)
- POLS 2300 Introduction to Political Theory (3)
- POLS 2400 Introduction to Law and Courts (3)
- POLS 2500 Human Rights in the World (3)

**Psychology**
- PSY 1010 Introductory Psychology (3)
- PSY 2000 The Psychology of Human Relationships (3)

**Social Work**
- SW 1010 Introduction to Generalist Social Work (3)
- SW 2100 Human Behavior and the Social Environment I
- SW 2200 Issues in Diversity (3)

**Sociology**
- SOC 1010 Introduction to Sociology (3)
- SOC 1020 Social Problems (3)

**Women & Gender Studies**
- WGS 1500 Introduction to Women & Gender Studies (3)
- WGS 2500 Human Rights in the World (3)

*Only one Human Rights in the World (POLS/WGS 2500) may be used to fulfill Social Sciences.*
BREADTH GENERAL EDUCATION REQUIREMENTS

DO NOT DUPLICATE DEPARTMENTS: Courses selected to fulfill breadth requirements must each be from a different program, with the exception of Honors.

PHYSICAL SCIENCES & LIFE SCIENCES

Select 9 credits (with at least 3 credits from Physical Sciences and at least 3 credits from Life Sciences) and earn a passing grade.

PHYSICAL SCIENCES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1010</td>
<td>Introductory Chemistry (3)</td>
</tr>
<tr>
<td>CHEM 1050</td>
<td>Introduction to General, Organic &amp; Biochemistry (5)</td>
</tr>
<tr>
<td>CHEM 1110</td>
<td>Elementary Chemistry (5)</td>
</tr>
<tr>
<td>CHEM 1210</td>
<td>Principles of Chemistry I (5)</td>
</tr>
<tr>
<td>CHEM 1360</td>
<td>Principles of Physical Science (3)***</td>
</tr>
</tbody>
</table>

Geography

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 1000</td>
<td>Natural Environments of the Earth (3)</td>
</tr>
<tr>
<td>GEOG 1500</td>
<td>The Science of Global Warming: Myths, Realities and Solutions (3)</td>
</tr>
</tbody>
</table>

Geosciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 1030</td>
<td>Earthquakes and Volcanoes (3)</td>
</tr>
<tr>
<td>GEO 1060</td>
<td>Environmental Geosciences (3)</td>
</tr>
<tr>
<td>GEO 1110</td>
<td>Dynamic Earth: Physical Geology (3)</td>
</tr>
<tr>
<td>GEO 1130</td>
<td>Introduction to Meteorology (3)</td>
</tr>
<tr>
<td>GEO 1350</td>
<td>Principles of Earth Science (3)</td>
</tr>
</tbody>
</table>

Honors

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNRS 1500</td>
<td>Perspectives in the Physical Sciences (3)</td>
</tr>
<tr>
<td>HNRS 2030</td>
<td>Exploring Key Concepts in the Disciplines: Physical Sciences (3)</td>
</tr>
</tbody>
</table>

Physics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 1010</td>
<td>Elementary Physics (3)</td>
</tr>
<tr>
<td>PHYS/ASTR 1040</td>
<td>Elementary Astronomy (3)**</td>
</tr>
<tr>
<td>PHYS 1360</td>
<td>Principles of Physical Science (3)***</td>
</tr>
<tr>
<td>PHYS 2010</td>
<td>College Physics I (5)</td>
</tr>
<tr>
<td>PHYS/ASTR 2040</td>
<td>Principles of Observational Astronomy (3)**</td>
</tr>
<tr>
<td>PHYS 2090</td>
<td>Environmental Physics: Energy and Power (3)</td>
</tr>
<tr>
<td>PHYS 2210</td>
<td>Physics for Scientists and Engineers I (5)</td>
</tr>
</tbody>
</table>

* Only one course from either GEOG or GEO may be used to fulfill Physical Sciences.
** Only one course from either PHYS or ASTR may be used to fulfill Physical Sciences.
*** Only one Principles of Physical Science (CHEM/PHYS 1360) may be used to fulfill Physical Sciences.

LIFE SCIENCES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 1020</td>
<td>Biological Anthropology (3)</td>
</tr>
<tr>
<td>BTNY 1203</td>
<td>Plant Biology (3)</td>
</tr>
<tr>
<td>BTNY 1303</td>
<td>Plants in Human Affairs (3)</td>
</tr>
<tr>
<td>BTNY 1370</td>
<td>Principles of Life Science (3)*</td>
</tr>
<tr>
<td>BTNY 1403</td>
<td>Environment Appreciation (3-4)</td>
</tr>
<tr>
<td>HTHS 1110</td>
<td>Integrated Human Anotomy &amp; Physiology I (4)</td>
</tr>
<tr>
<td>HNRS 1510</td>
<td>Perspectives in the Life Sciences (3)</td>
</tr>
<tr>
<td>HNRS 2040</td>
<td>Exploring Key Concepts in the Disciplines: Life Sciences (3)</td>
</tr>
<tr>
<td>MICR 1113</td>
<td>Introductory Microbiology (3)</td>
</tr>
<tr>
<td>MICR 1153</td>
<td>Elementary Public Health (3)</td>
</tr>
<tr>
<td>MICR 1370</td>
<td>Principles of Life Science (3)*</td>
</tr>
<tr>
<td>MICR 2054</td>
<td>Principles of Microbiology (4)</td>
</tr>
<tr>
<td>ZOOL 1010</td>
<td>Animal Biology (3)</td>
</tr>
<tr>
<td>ZOOL 1020</td>
<td>Human Biology (3)</td>
</tr>
<tr>
<td>ZOOL 1030</td>
<td>The Nature of Sex (3)</td>
</tr>
<tr>
<td>ZOOL 1110</td>
<td>Principles of Zoology I (4)</td>
</tr>
<tr>
<td>ZOOL 1370</td>
<td>Principles of Life Science (3)*</td>
</tr>
<tr>
<td>ZOOL 2200</td>
<td>Human Physiology (4)</td>
</tr>
</tbody>
</table>

* Only one Principles of Life Science (BTNY/MICR/ZOOL 1370) may be used to fulfill Life Sciences.

WSU COURSES

Earn credit for TWO General Education areas by taking ONE course.

WSU courses are interdisciplinary, variable credit (3-5), team taught, and limited enrollment courses that satisfy requirements in two General Education areas (Core or Breadth). Must earn a passing grade.

Students may take as many WSU Courses as they wish, but only the non-overlapping General Education attributes from subsequent WSU Courses will count toward General Education requirements.

<table>
<thead>
<tr>
<th>WSU Course</th>
<th>Title</th>
<th>Counts toward these two General Education areas:</th>
</tr>
</thead>
<tbody>
<tr>
<td>WSU 1450</td>
<td>Intersections of Art and Communication</td>
<td>Humanities (HU) and Creative Arts (CA)</td>
</tr>
<tr>
<td>WSU 1560</td>
<td>The Story and the Brain: Neuroscience &amp; Literature</td>
<td>Humanities (HU) and Social Science (SS)</td>
</tr>
<tr>
<td>WSU 1560</td>
<td>Identity in the Digital Age</td>
<td>Humanities (HU) and Social Science (SS)</td>
</tr>
<tr>
<td>WSU 1560</td>
<td>Sustainability in Thought &amp; Practice</td>
<td>Humanities (HU) and Social Science (SS)</td>
</tr>
<tr>
<td>WSU 1560</td>
<td>Research, Creativity, and Exploration Among Disciplines</td>
<td>Humanities (HU) and Social Science (SS)</td>
</tr>
<tr>
<td>WSU 1580</td>
<td>The Story and the Cell</td>
<td>Humanities (HU) and Life Science (LS)</td>
</tr>
<tr>
<td>WSU 1680</td>
<td>Microbes Rule: Impact of Disease on History</td>
<td>Social Science (SS) and Life Science (LS)</td>
</tr>
<tr>
<td>WSU 1680</td>
<td>The Sciences of Human Variation: From Sex to Gender &amp; Race to Ethnicity</td>
<td>Social Science (SS) and Life Science (LS)</td>
</tr>
<tr>
<td>WSU 2340</td>
<td>Pattern Play: Movement and Mathematics</td>
<td>Quantitative Literacy* (QL) and Creative Arts (CA)</td>
</tr>
<tr>
<td>WSU 2350</td>
<td>Writing With Numbers</td>
<td>Quantitative Literacy* (QL) and Humanities (HU)</td>
</tr>
<tr>
<td>WSU 2420</td>
<td>Evil chemicals, drug scares, and big business</td>
<td>Social Science (SS) and Physical Science (PS)</td>
</tr>
</tbody>
</table>

*Check with your academic advisor for QL placement and requirement for your major

See course descriptions at https://www.weber.edu/GenEd/WSU_Courses.html

March 2019

Avoid Misadvising Yourself!

Consult your academic advisor (weber.edu/advisors), the WSU Catalog (catalog.weber.edu), and your CatTracks degree evaluation (log in to your eWeber Student Portal).