General Education

THE PHILOSOPHY OF GENERAL EDUCATION

Undergraduate education offers not only specialized knowledge and professional skills, but also the multiple views and general intellectual abilities developed by the study of liberal arts and sciences. General Education is the component of the undergraduate curriculum devoted to exposing students to multiple areas of knowledge, methods of inquiry, and ideas that the University and scholarly community believe are common to well-educated persons. Ideally, General Education empowers individuals, liberates the mind from ignorance, and cultivates social responsibility. General Education forms the basis for developing important intellectual capacities and skills. It also provides a strong foundation for future learning, both within a college major and for the rest of one’s life.

Some people believe that General Education simply means courses to “get out of the way”. We could not disagree more. Instead, general education forms the foundation for a life-time of learning and is a critical component of liberal education. According to the American Association of Colleges and Universities (2002) liberal education is “a philosophy of education that empowers individuals, liberates the mind from ignorance, and cultivates social responsibility,” and General Education is “the part of a liberal education shared by all students. It provides broad exposure to multiple disciplines and forms the basis for developing important intellectual and civic capacities.”

GENERAL EDUCATION MISSION

The General Education program at Utah Tech University develops citizen-scholars as it:

- Fosters the development of knowledge across a broad range of liberal arts and sciences disciplines.
- Provides students with the intellectual tools required to think critically and communicate effectively.
- Equips students with the information literacy and quantitative reasoning skills that facilitate success in college and in life.
- Challenges students to explore and appreciate diversity in a globalized world.
- Encourages students to evaluate the responsibilities of citizenship.
- Prepares students for life-long learning.

GENERAL EDUCATION LEARNING GOALS

1. Broad Knowledge of the Liberal Arts & Sciences
   Students will examine the world and its people from various points of view. They will learn about ideas and beliefs that have guided human beings and shaped civilization for thousands of years. Students will:
   a. Demonstrate comprehensive knowledge of the human past, including the historical development of human knowledge in global contexts.
   b. Compare and contrast differing philosophical and cultural perspectives.
   c. Describe and analyze core concepts and theories within the natural sciences and apply the methods of the natural sciences in order to formulate answers to important questions.
   d. Describe and analyze core concepts and theories within the arts and humanities and apply the techniques of the arts and humanities in order to formulate answers to important questions.
   e. Describe and analyze core concepts and theories within the social and behavioral sciences and apply the methods of the social and behavioral sciences in order to formulate answers to important questions.

2. Critical Thinking
   Students will gain the ability to use knowledge, claims of evidence, and content to reason ethically and reach conclusions, as well as to innovate in imaginative ways. These steps are equally applicable to different kinds of problems such as scientific theory development and testing, ethical problem solving, and innovation. Students will:
   a. Define, analyze, and formulate solutions to problems by synthesizing core concepts within and across disciplines.
   b. Assess the accuracy and validity of findings and conclusions.
   c. Comprehend and examine how one thinks, reasons, and makes value judgments.
   d. Demonstrate sustained intellectual curiosity through exploration of emerging issues.

3. Effective Communication
   Students will learn to communicate effectively. Communication is a process by which we assign and convey meaning in an attempt to create shared understanding. Human communication facilitates insight, collaboration, the exchange of ideas, and the progress of culture. Students will:
   a. Comprehend and manage basic communicative technologies, tools, and strategies in order to express ideas and facts in written, oral, quantitative, and visual formats.
   b. Comprehend, interpret, analyze, and synthesize the written, oral, quantitative, and visual communication of others.

4. Information Literacy Skills
   Students will develop their information literacy skills, including an understanding of the nature, organization, and methods of access and evaluation of both electronic and traditional resources. Students will:
a. Identify the nature, extent, and sources of information needed in order to access information effectively and efficiently.

b. Critically evaluate information and information sources.

c. Use information effectively to accomplish a specific purpose.

d. Identify and analyze the economic, social, legal, and ethical issues surrounding the access and use of information.

e. Identify and use the following as appropriate: content-specific tools, software, and simulations for research, information analysis, problem-solving, and decision-making in content learning.

5. Quantitative Reasoning

Students will analyze and communicate appropriately with mathematical and symbolic concepts. They will critically evaluate the quantitative and symbolic information used to represent and draw inference regarding problems. Students will:

a. Gain the ability to visualize abstractions and apply them to a problem.

b. Model physical and natural phenomena and assess the validity of a model, make predictions from the model, and draw conclusions based on that model.

c. Understand numbers, analyze uncertainty, comprehend the properties of shapes, and investigate how things change over time.

d. Identify and apply quantitative principles and methods in the solution of problems and draw and evaluate conclusions in order to check the logic and validity of statements and models.

6. Diversity and Globalization

Students will study groups, cultures, and societies as they interact and challenge each other. They will be encouraged to reflect critically and consciously in order to gain insight into how cultural identities and experiences shape individual perspectives of the world and influence interaction with people from different backgrounds. Students will:

a. Identify cultural differences and examine how these difference influence cross-cultural understanding and conflict.

b. Recognize and evaluate the implications of various social structures and the ways people are grouped by such characteristics as status, race, ethnicity, gender, and sexual orientation.

c. Identify and analyze sources of cultural bias and prejudice and develop ways to reduce these and other forms of biases and prejudices.

d. Describe and analyze the concepts of globalization and transnationalism in order to evaluate the interdependent nature of the world in which we live.

7. Responsibilities of Citizenship

Students will critically explore, evaluate, and reflect upon their own lives, careers, and interests in relation to the political process and the general welfare of society as a whole. Students will:

a. Describe and analyze democratic political ideals and the various understandings of rights and obligations that citizens may be said to have in their own communities.

b. Describe and analyze one’s own and others’ perceptions regarding responsibility for society’s moral / ethical well-being.

ONE-PAGE GENERAL EDUCATION CHECKLIST (PDF) (catalog.dixie.edu/programs/generaleducation/GenEd_2022-2023.pdf)

GENERAL EDUCATION CORE REQUIREMENTS

ENGLISH (EN)

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MATHEMATICS (MA)

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### GENERAL EDUCATION BREADTH & DEPTH REQUIREMENTS

#### LIFE SCIENCES (LS)

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**Total Hours**: 3-10

### PHYSICAL SCIENCES (PS)

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**Laboratory Science (LAB)**

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<td>Applied Geologic Investigation of Grand Canyon, Zion, and Bryce National Parks (LAB)</td>
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<td>Natural History of Zion National Park (LAB)</td>
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**Fine Arts (FA)**

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<td>Design for Non-Majors (FA)</td>
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<td>Drawing and Composition (FA)</td>
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### LITERATURE/HUMANITIES (HU, GC)

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<td>Humanities Through the Arts (HU, GC)</td>
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### SOCIAL & BEHAVIORAL SCIENCES (SS, GC)

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<td>Economics of Social Issues (SS, GC)</td>
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<td>Foundations Multicultural/ESL (SS, GC, ALCI)</td>
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<td>Human Development Lifespan (SS, GC)</td>
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<td>FSHD 2400</td>
<td>Family Relationships (SS, GC)</td>
<td></td>
</tr>
<tr>
<td>HIST 1100</td>
<td>Western Civilization: From Pre-History to 1715 (SS, GC)</td>
<td></td>
</tr>
<tr>
<td>HIST 1110</td>
<td>Western Civilization: From 1715 to Present (SS, GC)</td>
<td></td>
</tr>
<tr>
<td>HIST 1500</td>
<td>World History to 1500 (SS, GC)</td>
<td></td>
</tr>
<tr>
<td>HIST 1510</td>
<td>World History Since 1500 (SS, GC)</td>
<td></td>
</tr>
<tr>
<td>HIST 2700</td>
<td>U.S. History to 1877</td>
<td></td>
</tr>
<tr>
<td>HIST 2710</td>
<td>U.S. History Since 1877</td>
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</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>3</strong></td>
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</table>
### General Education

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>MDIA 2010</td>
<td>Media and Pop Culture (SS, GC)</td>
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<tr>
<td>POLS 2100</td>
<td>Introduction to International Relations (SS, GC)</td>
</tr>
<tr>
<td>POLS 2200</td>
<td>Intro to Comparative Politics (SS, GC)</td>
</tr>
<tr>
<td>PSY 1010</td>
<td>General Psychology (SS, GC)</td>
</tr>
<tr>
<td>PSY 1100</td>
<td>Human Development Through Lifespan (SS, GC)</td>
</tr>
<tr>
<td>PSY 2800</td>
<td>Human Sexuality in a Diverse Society (SS, GC)</td>
</tr>
<tr>
<td>RSM 1110</td>
<td>Leisure in Society (SS, GC)</td>
</tr>
<tr>
<td>SOC 1010</td>
<td>Introduction to Sociology (SS, GC)</td>
</tr>
<tr>
<td>SOC 1020</td>
<td>Social Problems (SS, GC)</td>
</tr>
<tr>
<td>SOC 2370</td>
<td>Gender in Contemporary Society (SS)</td>
</tr>
<tr>
<td>SOC 2600</td>
<td>Sociology of the Family (SS, GC)</td>
</tr>
<tr>
<td>SOC 2630</td>
<td>Sociology of Racial and Ethnic Relations (SS, GC)</td>
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</table>

**Total Hours: 3**

### EXPLORATION

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td>Complete at least one additional 3 – 5 credit General Education Breadth &amp; Depth course.</td>
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</tbody>
</table>

**Total Hours: 3**

### ADDITIONAL FOREIGN LANGUAGE REQUIREMENT FOR ASSOCIATE OF ARTS OR BACHELOR OF ARTS

*Check program requirements for program restrictions on foreign languages*

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Bachelor of Arts: Foreign Language Requirement</td>
<td>3-16</td>
</tr>
</tbody>
</table>

**Complete one of the following:**

- Complete 16 credits in a single foreign language, through earned credit (grade C or higher), credit by examination, or vertical credit from the courses listed on the GE Foreign Language Requirement page.
- Complete a 2020 or higher foreign language course (grade C or higher).
- Complete a 3060 foreign language course listed below (grade C or higher).
- Receive 16 transfer credits for GEFL 1000 (8) and GEFL 2000 (8) in a single foreign language (grade C or higher).

**OR**

**Complete a 1010 course listed below in a second foreign language (grade C or higher) AND one of the following:**

1. In a language not taught at Utah Tech, receive 12 FLATS exam credits for FLAT 1000 (8) and FLAT 2000 (4).
2. In a language not taught at Utah Tech, receive 12 transfer credits articulated as GEFL 1000 (8) and GEFL 2000 (4) (all grade C or higher).

**OR**

**Available only to students who are nonnative English speakers, complete one of the following:**

- Complete 16 credits of ESL courses listed below (grade B or higher).
- Complete ESL 2750 or ESL 2760 (grade B or higher).
- Submit one of the following test scores required for unconditional Utah Tech admission: TOEFL (61 iBT, 173 CBT, or 500 PBT); or Michigan (70); or USU-IELE equivalent score. Other tests may be accepted for admission to Utah Tech but will not fulfill this requirement. Official scores must be submitted to the Registrar’s Office.

**Total Hours: 3-16**

---

1 General Education Foreign Language Classes may be found on the General Education page. (p. 2)

### GENERAL EDUCATION FOREIGN LANGUAGE REQUIREMENT

*(for Associate of Arts and Bachelor of Arts only)*

#### Foreign Language Placement

- Students may not enroll in a language course if that language was the primary language of instruction for the student at the high school level (as determined by the chair of the Humanities Department).
Placement in all foreign language classes is at the discretion of the Department Chair. Students whose abilities and experience in a language are above the course level may be placed in a higher level class and may earn “vertical credit” for lower level courses.

DEFINITIONS

Vertical Credit: Once a student completes a 1020, 2010, 2020, or 3060 foreign language class with a grade of C or higher, s/he may request credit for language classes in the same language below that level. Posting fee required.

FLATS: Based on score of BYU Foreign Language Assessment Test (available at Utah Tech). Maximum 12 credits, cannot duplicate already earned credit, posting fee required.

Nonnative Speaker: For the purposes of earning credit in Utah Tech foreign language classes and/or fulfilling any Utah Tech foreign language requirement, a native speaker’s primary language of instruction at the high school level (as determined by the chair of the Humanities Department) is his/her native language.

ESL Test Scores: Test scores required for unconditional Utah Tech admission in 2013-2014: TOEFL 61 iBT, 173 CBT, or 500 PBT; or 70 Michigan; or equivalent USU-IELI test score.

VERTICAL CREDIT

Once a student completes a Utah Tech 1020, 2010, 2020, or 3060 foreign language class with a grade of C or higher, s/he may request credit for language classes in the same language below that level. Posting fee required.

• Receiving a grade of C or higher in a foreign language 1020 course enables a student to request “vertical credit” for the 1010 course in the same language (4 additional credits graded “P”).
• Receiving a grade of C or higher in a foreign language 2010 course enables a student to request “vertical credit” for the 1010 and 1020 courses in the same language (8 additional credits graded “P”).
• Receiving a grade of C or higher in a foreign language 2020 course enables a student to request “vertical credit” for the 1010, 1020, and 2010 courses in the same language (12 additional credits graded “P”).
• Receiving a grade of B or higher in ESL 2750 enables a student to request “vertical credit” for ESL 1550 (4 additional credits graded “P”).
• Receiving a grade of B or higher in ESL 2760 enables a student to request “vertical credit” for ESL 1560 (4 additional credits graded “P”).
• Receiving a grade of C or higher in a foreign language 3010, 3040 and 3060 course enables a student to request “vertical credit” for the 1010, 1020, 2010, and 2020 courses in the same language (16 additional credits graded “P”) unless the 3060 course is the same language as the primary language of secondary instruction.

PROCEDURE FOR VERTICAL CREDIT

1. Vertical Credit Request form is completed and signed by the instructor who taught the advanced class and the department chair.
2. Form is submitted to the Registrar’s Office and the posting fee is assessed on the student’s account.
3. The posting fee must be paid at the cashier’s office and the receipt submitted to the Registrar’s Office.
4. After the above steps are completed foreign language credit graded “P” will be awarded for the preparatory foreign language course(s).

PROGRAM RESTRICTIONS

Some programs have restrictions on which languages can be used to fulfill the Bachelor of Arts foreign language requirement. Check the Degree Worksheet for specific programs to verify which languages are accepted. In 2013-2014, programs in the Fine Arts Division (Art, Music, and Theatre) do not accept ASL.

FOREIGN LANGUAGE REQUIREMENT FOR BACHELOR OF ARTS DEGREE

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Arts: Foreign Language Requirement</td>
<td></td>
<td>3-16</td>
</tr>
<tr>
<td>Complete one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Complete 16 credits in a single foreign language, through earned credit (grade C or higher), credit by examination, or vertical credit from the courses listed on the GE Foreign Language Requirement page</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Complete a 2020 or higher foreign language course (grade C or higher)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Complete a 3060 foreign language course listed below (grade C or higher)</td>
<td></td>
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</tr>
<tr>
<td>- Receive 16 transfer credits for GEFL 1000 (8) and GEFL 2000 (8) in a single foreign language (grade C or higher)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete a 1010 course listed below in a second foreign language (grade C or higher) AND one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. In a language not taught at Utah Tech, receive 12 FLATS exam credits for FLAT 1000 (8) and FLAT 2000 (4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2. In a language not taught at Utah Tech, receive 12 transfer credits articulated as GEFL 1000 (8) and GEFL 2000 (4) (all grade C or higher) OR

Available only to students who are nonnative English speakers, complete one of the following:
- Complete 16 credits of ESL courses listed below (grade B or higher)
- Complete ESL 2750 or ESL 2760 (grade B or higher).
- Submit one of the following test scores required for unconditional Utah Tech admission: TOEFL (61 iBT, 173 CBT, or 500 PBT); or Michigan (70); or USU-IELE equivalent score. Other tests may be accepted for admission to Utah Tech but will not fulfill this requirement. Official scores must be submitted to the Registrar's Office.

Total Hours 3-16

1 General Education Foreign Language Classes may be found on the General Education page. (p. 2)

FOREIGN LANGUAGE REQUIREMENT FOR ASSOCIATE OF ARTS DEGREE

Complete one of the following:
- Complete 8 credits numbered 1000 or above in a single foreign language, through earned credit (grade C or higher), credit by examination, or vertical credit from the courses listed on the GE Foreign Language Requirement page
- Complete a 1020 or higher foreign language course listed below (grade C or higher)
- Receive 8 FLATS exam credits for FLAT 1000
- Receive 8 transfer credits GEFL 1000 (grade C or higher) in a language not currently taught at Utah Tech

Available only to students who are nonnative English speakers, complete one of the following:
- Complete 8 credits of ESL courses listed below (grade B or higher)
- Submit one of the following test scores required for unconditional Utah Tech admission: TOEFL (61 iBT, 173 CBT, or 500 PBT); or Michigan (70); or USU-IELE equivalent score. Other tests may be accepted for admission to Utah Tech but will not fulfill this requirement. Official scores must be submitted to the Registrar's Office.

1 General Education Foreign Language Classes may be found on the General Education page. (p. 6)

<table>
<thead>
<tr>
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<td>ASL 1010</td>
<td>Beginning American Sign Language I (ALCI)</td>
<td>4</td>
</tr>
<tr>
<td>ASL 1020</td>
<td>Beginning American Sign Language II (FL, ALCI)</td>
<td>4</td>
</tr>
<tr>
<td>ASL 2010</td>
<td>Intermediate American Sign Language I (ALCI)</td>
<td>4</td>
</tr>
<tr>
<td>ASL 2020</td>
<td>Intermediate American Sign Language II (ALCI)</td>
<td>4</td>
</tr>
<tr>
<td>ASL 3060</td>
<td>Advanced American Sign Language I</td>
<td>3</td>
</tr>
<tr>
<td>CHIN 1010</td>
<td>Beginning Mandarin Chinese I (FL)</td>
<td>4</td>
</tr>
<tr>
<td>CHIN 1020</td>
<td>Beginning Mandarin Chinese II</td>
<td>4</td>
</tr>
<tr>
<td>CHIN 2010</td>
<td>Intermediate Mandarin Chinese I (FL)</td>
<td>4</td>
</tr>
<tr>
<td>CHIN 2020</td>
<td>Intermediate Mandarin Chinese II</td>
<td>4</td>
</tr>
<tr>
<td>ESL 1550</td>
<td>Intermediate Academic Writing (FL)</td>
<td>4</td>
</tr>
<tr>
<td>ESL 1560</td>
<td>Intermediate English Grammar (FL)</td>
<td>4</td>
</tr>
<tr>
<td>ESL 2750</td>
<td>Advanced Academic Writing (FL)</td>
<td>4</td>
</tr>
<tr>
<td>ESL 2760</td>
<td>Advanced English Grammar (FL)</td>
<td>4</td>
</tr>
<tr>
<td>FLAT 1000</td>
<td>Language (FLATS) (1010, 1020))</td>
<td>4-8</td>
</tr>
<tr>
<td>FLAT 2000</td>
<td>Language (FLATS) (2010))</td>
<td>4</td>
</tr>
<tr>
<td>FREN 1010</td>
<td>Beginning French I (FL)</td>
<td>4</td>
</tr>
<tr>
<td>FREN 1020</td>
<td>Beginning French II (FL)</td>
<td>4</td>
</tr>
<tr>
<td>FREN 2010</td>
<td>Intermediate French I</td>
<td>4</td>
</tr>
<tr>
<td>FREN 2020</td>
<td>Intermediate French I (FL)</td>
<td>4</td>
</tr>
<tr>
<td>GEFL 1000</td>
<td>Language (1010, 1020))</td>
<td>4-8</td>
</tr>
<tr>
<td>GEFL 2000</td>
<td>Language (2010, 2020))</td>
<td>4-8</td>
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<tr>
<td>JAPN 1010</td>
<td>Beginning Japanese I</td>
<td>4</td>
</tr>
<tr>
<td>JAPN 1020</td>
<td>Beginning Japanese II (FL)</td>
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</table>
INTERSTATE PASSPORT

Utah Tech University is a member of the Interstate Passport Network, which provides a framework for block transfer of lower-division general education based on learning outcomes in nine areas:

- **Foundational Skills:** oral communication, written communication, quantitative literacy
- **Knowledge of Concepts:** natural sciences, human cultures, creative expression, human society and the individual
- **Crosscutting Skills:** critical thinking and teamwork/value systems.

Each Network member institution has its own Passport Block—a menu of lower-division general education courses and learning experiences by which a student can earn the Passport. Students who complete our institution’s Passport Block with a minimum grade of “C” or its equivalent in each course or learning experience will be awarded the Passport by our institution. Those students who later transfer with a Passport to another Network-member institution will have their learning recognized; they will not have to repeat or take additional courses to satisfy lower-division general education requirements in the Passport’s nine areas.

For students the Passport offers:

- An early milestone on the way to a credential.
- Advance knowledge that lower-division general education learning in the Passport’s nine areas will be recognized upon transfer to another Network member institution.
- The potential for faster time to degree, lower cost, less debt, and lower foregone earnings from unduplicated learning.
- A streamlined transfer process and a greater likelihood of successful transfer and completion.

For more information about the Interstate Passport, including a list of Network member institutions, see the WICHE Passport website (http://interstatepassport.wiche.edu/).

INTERSTATE PASSPORT FOUNDATIONAL SKILLS

**ORAL COMMUNICATION**

*Utah Tech Life Sciences or Physical Sciences Laboratory Science Requirement*

Utah Tech General Education program requires students to complete one Life Sciences or Physical Sciences Laboratory Science course. Oral presentations of scientific models to elucidate the logical implications of theory and then express those consequences in ways that permit testing of theoretical ideas constitute one quarter of all laboratory classes. These courses are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1010 &amp; BIOL 1015</td>
<td>General Biology (LS) and General Biology Lab (LAB) (4 credits)</td>
<td>3-10</td>
</tr>
<tr>
<td>BIOL 1610 &amp; BIOL 1615</td>
<td>Principles of Biology I (LS) and Principles of Biology I Lab (LAB) (5 credits)</td>
<td></td>
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<tr>
<td>BIOL 2400 &amp; BIOL 2405</td>
<td>Plant Kingdom (LS, ALPP) and Plant Kingdom Lab (LAB, ALPP) (4 credits)</td>
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<tr>
<td>BIOL 1300 &amp; BIOL 2320 &amp; BIOL 2325 &amp; BIOL 2420 &amp; BIOL 2425</td>
<td>Evolution &amp; Ecology and Human Anatomy and Human Anatomy Lab and Human Physiology and Human Physiology Lab (10 credits)</td>
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<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
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<td>CHEM 1010</td>
<td>Introduction to Chemistry (PS) and Introduction to Chemistry Lab (LAB) (4 credits)</td>
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<tr>
<td>&amp; CHEM 1015</td>
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<tr>
<td>CHEM 1110</td>
<td>Elementary General/Organic Chemistry (PS) and Elem General/Organic Chemistry Lab (LAB) (5 credits)</td>
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<tr>
<td>&amp; CHEM 1115</td>
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<tr>
<td>CHEM 1210</td>
<td>Principles of Chemistry I (PS) and Principles of Chemistry I Lab (LAB) (5 credits)</td>
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<tr>
<td>&amp; CHEM 1215</td>
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<tr>
<td>GEO 1010</td>
<td>Introduction to Geology (PS) and Introduction to Geology Lab (LAB) (4 credits)</td>
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<tr>
<td>&amp; GEO 1015</td>
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<tr>
<td>GEO 1020</td>
<td>Life of the Past (PS) (4 credits)</td>
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<td>GEO 1040</td>
<td>Introduction to Dinosaurs (PS) and Introduction to Dinosaurs Laboratory (LAB) (4 credits)</td>
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<tr>
<td>&amp; GEO 1045</td>
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<td>GEO 1050</td>
<td>Geology of the National Parks (PS) and Geology National Parks Lab (LAB) (4 credits)</td>
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<tr>
<td>&amp; GEO 1055</td>
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<tr>
<td>GEO 1080</td>
<td>Introduction to Oceanography (PS) and Intro to Oceanography Lab (LAB) (4 credits)</td>
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<tr>
<td>&amp; GEO 1085</td>
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<td>GEO 1110</td>
<td>Physical Geology (PS) and Physical Geology Lab (LAB) (4 credits)</td>
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<tr>
<td>&amp; GEO 1115</td>
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<tr>
<td>GEOG 1000</td>
<td>Physical Geography (PS) and Physical Geography Lab (LAB) (4 credits)</td>
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<tr>
<td>&amp; GEOG 1005</td>
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<td>GEOG 1020</td>
<td>Introduction to Weather (PS) and Introduction to Weather Lab (LAB) (4 credits)</td>
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<tr>
<td>&amp; GEOG 1025</td>
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<td>PHYS 1010</td>
<td>Elementary Physics (PS) and Elementary Physics Lab (LAB) (4 credits)</td>
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<tr>
<td>&amp; PHYS 1015</td>
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<tr>
<td>PHYS 1040</td>
<td>Elementary Astronomy (PS) and Elementary Astronomy Lab (LAB) (4 credits)</td>
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<tr>
<td>&amp; PHYS 1045</td>
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<tr>
<td>ENVS 2000R</td>
<td>Field Experience: Environmental Science (LAB) (1 credit)</td>
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<tr>
<td>GEO 2000R</td>
<td>Applied Geologic Investigation of Grand Canyon, Zion, and Bryce National Parks (LAB) (1 credit)</td>
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<tr>
<td>GEOG 2000R</td>
<td>Natural History of Zion National Park (LAB) (1 credit)</td>
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**Total Hours** 3-10

### WRITTEN COMMUNICATION

**Utah Tech English Requirement**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Complete one 1010 (3-4 credits) or ACT score ≥ 28; complete one 2010 (3 credits):</td>
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<tr>
<td>ENGL 1010</td>
<td>Introduction to Writing (EN)</td>
<td>3-7</td>
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<tr>
<td>or ENGL 1010D</td>
<td>Introduction to Writing (EN)</td>
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<tr>
<td>ENGL 2010</td>
<td>Interim Writing Selected Topics: (EN)</td>
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</table>

**Total Hours** 3-7

### QUANTITATIVE LITERACY

**Utah Tech Mathematics Requirement**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete one of the following or ACT score ≥ 26: (Prerequisite: Math placement score or MATH prerequisite course (Grade C or higher) earned within 2 years previous to enrolling):</td>
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</tr>
<tr>
<td>MATH 1030</td>
<td>Quantitative Reasoning (MA)</td>
<td>3-5</td>
</tr>
<tr>
<td>MATH 1040</td>
<td>Introduction to Statistics (MA)</td>
<td></td>
</tr>
<tr>
<td>MATH 1050</td>
<td>College Algebra / Pre-Calculus (MA)</td>
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</tr>
<tr>
<td>MATH 1060</td>
<td>Trigonometry (MA)</td>
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</tr>
<tr>
<td>MATH 1080</td>
<td>Pre-Calculus with Trigonometry (MA)</td>
<td></td>
</tr>
<tr>
<td>MATH 1100</td>
<td>Business Calculus (MA)</td>
<td></td>
</tr>
<tr>
<td>MATH 1210</td>
<td>Calculus I (MA)</td>
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<tr>
<td>MATH 1220</td>
<td>Calculus II (MA)</td>
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</table>
## INTERSTATE PASSPORT KNOWLEDGE AREAS

### NATURAL SCIENCES

**Utah Tech Physical and Life Sciences Requirement**

### Life Sciences

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1010</td>
<td>General Biology (LS)</td>
<td>3-10</td>
</tr>
<tr>
<td>BIOL 1010 &amp; BIOL 1015</td>
<td>General Biology (LS)   and General Biology Lab (LAB)</td>
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</tr>
<tr>
<td>BIOL 1200</td>
<td>Human Biology (LS)</td>
<td></td>
</tr>
<tr>
<td>BIOL 1610 &amp; BIOL 1615</td>
<td>Principles of Biology I (LS)   and Principles of Biology I Lab (LAB)</td>
<td></td>
</tr>
<tr>
<td>BIOL 2400 &amp; BIOL 2405</td>
<td>Plant Kingdom (LS, ALPP)   and Plant Kingdom Lab (LAB, ALPP)</td>
<td></td>
</tr>
<tr>
<td>BIOL 1300 &amp; BIOL 2320 &amp; BIOL 2325 &amp; BIOL 2420 &amp; BIOL 2425</td>
<td>Evolution &amp; Ecology   and Human Anatomy   and Human Anatomy Lab   and Human Physiology   and Human Physiology Lab</td>
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<tr>
<td>FSHD 1020</td>
<td>Sci Foundations of Nutrition (LS)</td>
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### Physical Sciences

<table>
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<th>Hours</th>
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<tr>
<td>CHEM 1010</td>
<td>Introduction to Chemistry (PS)</td>
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<td>Introduction to Chemistry (PS)   and Introduction to Chemistry Lab (LAB)</td>
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<td>CHEM 1020</td>
<td>Culinary Chemistry (PS)</td>
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<td>CHEM 1110 &amp; CHEM 1115</td>
<td>Elementary General/Organic Chemistry (PS)   and Elem General/Organic Chemistry Lab (LAB)</td>
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<tr>
<td>CHEM 1150 &amp; CHEM 1155</td>
<td>Integrated Chemistry for Health Sciences (PS)   and Integrated Chemistry for Health Sciences Laboratory (LAB)</td>
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<tr>
<td>CHEM 1200</td>
<td>Preparation for Gen Chemistry (PS) (3 credits)</td>
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<td>Principles of Chemistry I (PS)   and Principles of Chemistry I Lab (LAB)</td>
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<tr>
<td>ENVS 1010</td>
<td>Intro to Environmental Science (PS)</td>
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<tr>
<td>GEO 1010 &amp; GEO 1015</td>
<td>Introduction to Geology (PS)   and Introduction to Geology Lab (LAB)</td>
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<tr>
<td>GEO 1020</td>
<td>Life of the Past (PS)</td>
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<tr>
<td>GEO 1040</td>
<td>Introduction to Dinosaurs (PS)</td>
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<tr>
<td>GEO 1040 &amp; GEO 1045</td>
<td>Introduction to Dinosaurs (PS)   and Introduction to Dinosaurs Laboratory (LAB)</td>
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<tr>
<td>GEO 1050 &amp; GEO 1055</td>
<td>Geology of the National Parks (PS)   and Geology National Parks Lab (LAB)</td>
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<tr>
<td>GEO 1080</td>
<td>Introduction to Oceanography (PS)</td>
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<td>GEO 1080 &amp; GEO 1085</td>
<td>Introduction to Oceanography (PS)   and Intro to Oceanography Lab (LAB)</td>
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<td>Code</td>
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<tr>
<td>GEO 1110 &amp; GEO 1115</td>
<td>Physical Geology (PS) and Physical Geology Lab (LAB)</td>
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SOC 2630 Sociology of Racial and Ethnic Relations (SS, GC) 3

Total Hours

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<tr>
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<td>Complete one of the following:</td>
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<tr>
<td>ENGL 2130</td>
<td>Introduction to Science Fiction and Futurism (HU, GC)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2200</td>
<td>Introduction to Literature (HU, GC)</td>
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</tr>
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<td>ENGL 2201</td>
<td>Literature and the Land (HU, GC)</td>
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</tr>
<tr>
<td>ENGL 2230</td>
<td>Introduction to Mythology (HU, GC)</td>
<td></td>
</tr>
<tr>
<td>ENGL 2270</td>
<td>Introduction to Early World Literature (HU, GC)</td>
<td></td>
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<tr>
<td>ENGL 2280</td>
<td>Introduction to Modern World Literature (HU, GC)</td>
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<tr>
<td>ENGL 2330</td>
<td>Children's Literature (HU, GC)</td>
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<tr>
<td>ENGL 2335</td>
<td>Multi-Cultural Child/Young Adult Literature (HU, GC)</td>
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<tr>
<td>ENGL 2400</td>
<td>American Lit Before 1865 (HU, GC)</td>
<td></td>
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<tr>
<td>ENGL 2410</td>
<td>American Lit After 1865 (HU, GC)</td>
<td></td>
</tr>
<tr>
<td>ENGL 2500</td>
<td>British Literature Before 1800 (HU, GC)</td>
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<tr>
<td>ENGL 2510</td>
<td>British Literature After 1800 (HU, GC)</td>
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<tr>
<td>ENGL 2600</td>
<td>Critical Introduction to Literature (HU, GC)</td>
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<tr>
<td>HUM 1010</td>
<td>Humanities Through the Arts (HU, GC)</td>
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<tr>
<td>HUM 1040</td>
<td>Non-Western Humanities through the Arts (HU, GC)</td>
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<tr>
<td>PHIL 1000</td>
<td>Intro to Philosophy (HU, GC)</td>
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<tr>
<td>PHIL 1120</td>
<td>Social Ethics (HU, GC)</td>
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<td>PHIL 1250</td>
<td>Reasoning and Rational Decision-Making (HU, GC)</td>
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<tr>
<td>PHIL 2600</td>
<td>World Religions: Topics (HU, GC)</td>
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<tr>
<td>THEA 1023</td>
<td>Understanding Film (HU, GC)</td>
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Total Hours

3

CREATIVE EXPRESSION

Utah Tech Fine Arts Requirement

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<th>Code</th>
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<td>Complete one of the following:</td>
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<tr>
<td>ART 1010</td>
<td>Introduction to Art (FA)</td>
<td>3</td>
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<tr>
<td>ART 1100</td>
<td>Design for Non-Majors (FA)</td>
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<tr>
<td>ART 1110</td>
<td>Drawing and Composition (FA)</td>
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<tr>
<td>ART 1120</td>
<td>2-Dimensional Design (FA)</td>
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<tr>
<td>ART 2060</td>
<td>Digital Photography (FA)</td>
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<tr>
<td>ARTH 2710</td>
<td>Prehistoric to Gothic Art History (FA)</td>
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<td>ARTH 2720</td>
<td>Renaissance to Contemporary Art History (FA)</td>
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<tr>
<td>DANC 1010</td>
<td>Dance in Culture (FA)</td>
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<td>IART 1010</td>
<td>Integrated Arts (FA)</td>
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<tr>
<td>MUSC 1010</td>
<td>Introduction to Music (FA)</td>
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<td>MUSC 1020</td>
<td>Popular Music in America (FA)</td>
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<td>MUSC 1050</td>
<td>Introduction to World Music (FA)</td>
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<td>MUSC 1236</td>
<td>Survey of Jazz History (FA)</td>
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<td>THEA 1013</td>
<td>Introduction to Theatre (FA)</td>
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<td>THEA 3024</td>
<td>Diversity in Film (FA)</td>
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Total Hours

3

HUMAN SOCIETY AND THE INDIVIDUAL

Utah Tech Social and Behavioral Sciences Requirement
### General Education

Complete one of the following:

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<tr>
<td>ANTH 1000</td>
<td>Introduction to Anthropology (SS, GC)</td>
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<td>ANTH 1010</td>
<td>Cultural Anthropology (SS, GC)</td>
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<td>COMM 2110</td>
<td>Interpersonal Communication (SS, GC)</td>
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<tr>
<td>COMM 1270</td>
<td>Critical Thinking and Communicating (SS)</td>
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<tr>
<td>COMM 3190</td>
<td>Intercultural Communication (SS, GC)</td>
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<tr>
<td>ECON 1010</td>
<td>Economics of Social Issues (SS, GC)</td>
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<tr>
<td>ECON 2010</td>
<td>Micro Economics (SS, GC)</td>
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<tr>
<td>ECON 2020</td>
<td>Macro Economics (SS, GC)</td>
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<tr>
<td>EDUC 2400</td>
<td>Foundations Multicultural/ESL (SS, GC, ALCI)</td>
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<tr>
<td>FSHD 1500</td>
<td>Human Development Lifespan (SS, GC)</td>
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<tr>
<td>FSHD 2400</td>
<td>Family Relationships (SS, GC)</td>
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<tr>
<td>HIST 1100</td>
<td>Western Civilization: From Pre-History to 1715 (SS, GC)</td>
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<tr>
<td>HIST 1110</td>
<td>Western Civilization: From 1715 to Present (SS, GC)</td>
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<tr>
<td>HIST 1500</td>
<td>World History to 1500 (SS, GC)</td>
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<tr>
<td>HIST 1510</td>
<td>World History Since 1500 (SS, GC)</td>
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<td>HIST 2700</td>
<td>U.S. History to 1877</td>
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<td>HIST 2710</td>
<td>U.S. History Since 1877</td>
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<td>MDIA 2010</td>
<td>Media and Pop Culture (SS, GC)</td>
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<td>POLS 2100</td>
<td>Introduction to International Relations (SS, GC)</td>
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<td>Intro to Comparative Politics (SS, GC)</td>
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<td>PSY 1010</td>
<td>General Psychology (SS, GC)</td>
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<td>PSY 1100</td>
<td>Human Development Through Lifespan (SS, GC)</td>
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<td>Human Sexuality in a Diverse Society (SS, GC)</td>
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<td>Leisure in Society (SS, GC)</td>
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<td>Introduction to Sociology (SS, GC)</td>
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<td>SOC 1020</td>
<td>Social Problems (SS, GC)</td>
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<td>SOC 2370</td>
<td>Gender in Contemporary Society (SS)</td>
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<td>SOC 2600</td>
<td>Sociology of the Family (SS, GC)</td>
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<td>SOC 2630</td>
<td>Sociology of Racial and Ethnic Relations (SS, GC)</td>
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**Total Hours**: 3

### INTERSTATE PASSPORT CROSS-CUTTING SKILLS

**CRITICAL THINKING**

**Utah Tech Literature/Humanities Requirement**

Complete one of the following:

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</table>
### ENGL 2600
Critical Introduction to Literature (HU, GC)

### HUM 1010
Humanities Through the Arts (HU, GC)

### HUM 1040
Non-Western Humanities through the Arts (HU, GC)

### PHIL 1000
Intro to Philosophy (HU, GC)

### PHIL 1120
Social Ethics (HU, GC)

### PHIL 1250
Reasoning and Rational Decision-Making (HU, GC)

### PHIL 2600
World Religions: Topics (HU, GC)

### THEA 1023
Understanding Film (HU, GC)

#### Total Hours
3

### TEAMWORK AND VALUE SYSTEMS

**Utah Tech Laboratory Science Requirement**

<table>
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<td>BIOL 1010 &amp; BIOL 1015</td>
<td>General Biology (LS) and General Biology Lab (LAB) (4 credits)</td>
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<tr>
<td>BIOL 1610 &amp; BIOL 1615</td>
<td>Principles of Biology I (LS) and Principles of Biology I Lab (LAB) (5 credits)</td>
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<tr>
<td>BIOL 2400 &amp; BIOL 2405</td>
<td>Plant Kingdom (LS, ALPP) and Plant Kingdom Lab (LAB, ALPP) (4 credits)</td>
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<tr>
<td>BIOL 1300 &amp; BIOL 2320 &amp; BIOL 2325 &amp; BIOL 2420 &amp; BIOL 2425</td>
<td>Evolution &amp; Ecology and Human Anatomy and Human Anatomy Lab and Human Physiology and Human Physiology Lab (10 credits)</td>
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<tr>
<td>CHEM 1010 &amp; CHEM 1015</td>
<td>Introduction to Chemistry (PS) and Introduction to Chemistry Lab (LAB) (4 credits)</td>
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<tr>
<td>CHEM 1110 &amp; CHEM 1115</td>
<td>Elementary General/Organic Chemistry (PS) and Elem General/Organic Chemistry Lab (LAB) (5 credits)</td>
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<td>CHEM 1210 &amp; CHEM 1215</td>
<td>Principles of Chemistry I (PS) and Principles of Chemistry I Lab (LAB) (5 credits)</td>
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<td>GEO 1010 &amp; GEO 1015</td>
<td>Introduction to Geology (PS) and Introduction to Geology Lab (LAB) (4 credits)</td>
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<td>GEO 1020</td>
<td>Life of the Past (PS) (4 credits)</td>
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<tr>
<td>GEO 1040 &amp; GEO 1045</td>
<td>Introduction to Dinosaurs (PS) and Introduction to Dinosaurs Laboratory (LAB) (4 credits)</td>
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<td>GEO 1050 &amp; GEO 1055</td>
<td>Geology of the National Parks (PS) and Geology National Parks Lab (LAB) (4 credits)</td>
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<td>Introduction to Oceanography (PS) and Intro to Oceanography Lab (LAB) (4 credits)</td>
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<td>Physical Geology (PS) and Physical Geology Lab (LAB) (4 credits)</td>
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<td>GEOG 1000 &amp; GEOG 1005</td>
<td>Physical Geography (PS) and Physical Geography Lab (LAB) (4 credits)</td>
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<tr>
<td>GEOG 1020 &amp; GEOG 1025</td>
<td>Introduction to Weather (PS) and Introduction to Weather Lab (LAB) (4 credits)</td>
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<tr>
<td>PHYS 1010 &amp; PHYS 1015</td>
<td>Elementary Physics (PS) and Elementary Physics Lab (LAB) (4 credits)</td>
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<tr>
<td>PHYS 1040 &amp; PHYS 1045</td>
<td>Elementary Astronomy (PS) and Elementary Astronomy Lab (LAB) (4 credits)</td>
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<tr>
<td>ENVS 2000R</td>
<td>Field Experience: Environmental Science (LAB) (1 credit)</td>
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<tr>
<td>GEO 2000R</td>
<td>Applied Geologic Investigation of Grand Canyon, Zion, and Bryce National Parks (LAB) (1 credit)</td>
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<tr>
<td>GEOG 2000R</td>
<td>Natural History of Zion National Park (LAB) (1 credit)</td>
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**Total Hours**
3-10
Courses are also GE: Global and Cultural Perspective (GC)
If not used to fulfill Utah Tech GE: American Institutions requirement
Requires prerequisite
Fulfills another Utah Tech GE requirement
Fulfills Life Sciences or Physical Sciences lab requirement