

## Associate in Biology, Environmental Science, Chemistry, Geology, or Earth Science

### Associate in Science Transfer Degree - Option 1 (AST-1) – Minimum of 90 Credits

The Associate in Science Transfer degree Option 1 encompasses general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It will give students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the state universities with junior standing, not only in credits but also with major/program preparation.

To earn this degree, students must complete a minimum of 90-quarter credits in courses numbered 100 or above (from approved distribution list below) and meet specific distribution requirements. No more than 20 credits may be taken on a pass/no credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0, and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College. Students should include some 200-level classes in their course of study. Students are responsible for knowing the transfer requirements and policies, and they are urged to consult the catalog of the university to which they plan to transfer.

#### 1. BASIC SKILLS (20 credits)

##### A. Communication Skills:

(5 credits)

*Courses in this area support the written communication learning outcome.*

**English** &101 (5 credits)

*After consultation with a science advisor, five additional credits are recommended from the following:*

**English** 126 **or** 127 **or** 128

##### B. Quantitative Skills/Symbolic Reasoning: (15 credits)

*Courses in this area support the quantitative and symbolic reasoning learning outcome.*

**Mathematics** &151 **and** &152 **and** &153 **or** 256

#### 2. HUMANITIES/FINE ARTS/ENGLISH AND SOCIAL SCIENCE (15 credits)

Select 15 credits of humanities/fine arts/English and social science with at least five credits taken from each. Three different subjects required.

##### A. Humanities/Fine Arts/English

A minimum of 5 credits from the following: No more than 5 credits in foreign language at the 100 level. No more than 5 credits in performance or skills courses (all courses in bold type) may be applied to the Humanities/Fine Arts/English distribution.

**Art** &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 122, 130, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**

**Chinese** 111, &121, &122, &123  
**Communication Studies** &102, &210, &220, 212, 215, &230, 238, 245

**Dance** 101, 102, 103, 110, 204

**Drama** &101, **111, 112, 113, 120, 121, 141, 151, 152, 153**  
**English** &112, &113, &114, 115, 160, 163, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, 239, &244, &245, &246, 247, 248, &254, &255, &256, 257

**French** &121, &122, &123, &221

**German** &121, &122, &123

**Humanities** 100, 110, 133, 142, 160, 186, 190, 191, 224, 272

**Japanese** &121, &122, &123

**Journalism** 101, 150, 151, 152, 254

**Music** 101, 103, 104, &105, 107, 108, 109, 110, **118, 119, 120, &121, &122, &123, 124, 127, 128, 129, 130.1, 130.2, 130.3, &131, &132, &133, 140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232**

**Philosophy** &101, 102, 103, 104, 105, 110, 112, 114, 115, 160, 200, 206, 210, 220, 236, 238, 240, 243

**Photography** 101, 102, 103, 111  
**Spanish** 110, &121, &122, &123, &221, &222, &223

##### B. Social Science: A minimum of 5 credits from the following:

**American Minority and Ethnic Studies** 100, 211

**Anthropology** &100, &205, &206, &207, &210, 211, &216, &234, &235, &236, 273

**Business Management** &101, &201

**Criminal Justice** &101, &105, &110, &240

**Economics** 100, 101, &202, &201  
**Geography** 100, 108, 120, 123, 190, 200, 205

**History** 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250

**Political Science** &101, &200, &202, &203, &204, 207, 209  
**Psychology** &100, &180, &200, 201, 209, &220, 225

**Social Science** 160, 211

**Sociology** &101, &201, 215, 220, 230, 240, 245, 260

#### 3. SPECIFIC REQUIREMENTS

(50 credits) Class selection depends on the student's area of study. It is strongly suggested that students beginning their science sequence complete it at the originating college. After consultation with a science advisor, a total of 50 credits are required from the following list:

##### A. Chemistry &161, &162, **and** &163 (18 credits)

**(Chemistry &261, &262 and &263 may be substituted with prior consultation with a science/engineering advisor.)**

##### B. Select 15-18 credits to be taken in sequence order from the following:

1. **Biology** &211, &212 **and** &213 **or**

2. **Physics** 110, 111 **and** 112 **or**

3. **Physics** 201, 202 **and** 203

##### C. Natural Science: Select 14-17 credits from the following list after consultation with a science advisor.

**Anatomy and Physiology** 210

**Biology** &211, &212, &213, &241, &242, &260

**Chemistry** &161, &162, &163, &261, &262, &263

**Engineering** 106, &214, &224

**Environmental Science** 204

**Geology** &101, 206

**Mathematics** 106, &141, &142, &153, 238, 240, &254, 256

**Philosophy** &106, 215

**Physics** 110, 111, 112, 150, 151, 152, 201, 202, 203, 208, 221, 225

#### 4. LIFETIME FITNESS/WELLNESS

(2-3 credits) Select one course from the following:

**Physical Education** 101, 102, 103, 111, 131, 149, 160, 165, 169

*Degree exceptions for fitness/wellness courses must include medical documentation submitted to Disability Support Services (DSS) and documentation to the Degree Exception Committee.*

#### 5. ELECTIVES (2-3 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and Physical Education, may be taken as electives.

**English** 126, 127 **or** 128 may be used.

#### 6. TRANSFERABILITY OF CREDITS

Green River Community College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

To receive this information in an alternative format, please contact Disability Support Services at: DSS@greenriver.edu, (253) 833-9111, ext. 2631 or TTY at (253) 288-3359. LC-272.

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**1. BASIC SKILLS (20 credits)**

- A. Engl& 101 \_\_\_\_\_  
 Engl 126, or 127 or 128 (optional)  
 \_\_\_\_\_
- B. Math& 151 \_\_\_\_\_  
 Math& 152 \_\_\_\_\_  
 Math& 153 or 256 \_\_\_\_\_

**2. HUMANITIES/FINE ARTS/ENGLISH and SOCIAL SCIENCE (15 credits)**

With at least 5 credits from each; three separate areas:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**3. SPECIFIC PRE-MAJOR (50 credits)**

- A. Select 18 credits  
 Chem& 161 \_\_\_\_\_  
 Chem& 162 \_\_\_\_\_  
 Chem& 163 \_\_\_\_\_  
 (Chem& 261, &262, &263 may be substituted)
- B. Select 15-18 credits to be taken in sequence order from the following list:  
 Biol& 211 \_\_\_\_\_  
 Biol& 212 \_\_\_\_\_  
 Biol& 213 \_\_\_\_\_  
**or**  
 Phys 110 \_\_\_\_\_  
 Phys 111 \_\_\_\_\_  
 Phys 112 \_\_\_\_\_  
**or**  
 Phys 201 \_\_\_\_\_  
 Phys 202 \_\_\_\_\_  
 Phys 203 \_\_\_\_\_

C. Natural Science

Select 14-17 credits after consultation with a Science advisor.  
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 \_\_\_\_\_  
 \_\_\_\_\_

**4. ADDITIONAL COURSES (2-3 credits)**

P E 101, 102, 103, 111, 131, 149, 160, 165 or 169 \_\_\_\_\_  
 \_\_\_\_\_

**5. ELECTIVES (2-3 credits)**

(Engl 126, 127, or 128 may be used)  
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 \_\_\_\_\_

\*\* You must maintain a minimum overall GPA of 2.0. This minimum may not meet the entrance requirements at four-year colleges.

SUMMER		FALL		WINTER		SPRING	
COURSE	CREDITS	COURSE	CREDITS	COURSE	CREDITS	COURSE	CREDITS
TOTAL CREDITS		TOTAL CREDITS		TOTAL CREDITS		TOTAL CREDITS	
SUMMER		FALL		WINTER		SPRING	
COURSE	CREDITS	COURSE	CREDITS	COURSE	CREDITS	COURSE	CREDITS
TOTAL CREDITS		TOTAL CREDITS		TOTAL CREDITS		TOTAL CREDITS	
SUMMER		FALL		WINTER		SPRING	
COURSE	CREDITS	COURSE	CREDITS	COURSE	CREDITS	COURSE	CREDITS
TOTAL CREDITS		TOTAL CREDITS		TOTAL CREDITS		TOTAL CREDITS	

\*\* Please note that some majors at four-year colleges have special requirements. It is your responsibility to know these. Consult an Educational Planner or your Faculty Advisor for assistance in identifying or researching specific major requirements.