

## Associate in Mechanical, Civil, Aeronautical, Industrial or Materials Science Pre-Engineering Associate in Science Transfer Degree - Option 2 / Major Related Program (AST-2/MRP 1) – 112 Credits

The Associate in Science Transfer degree option 2 MRP 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 gives 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 universities with junior standing, not only in credits but also with major/program preparation.

To earn this degree, students must complete 112-quarter credits in courses numbered 100 or higher (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 your course of study. Students are responsible for knowing the transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer.

### 1. BASIC SKILLS (35 credits)

#### A. Communication Skills: (5 credits)

*Courses in this area support the written communication learning outcome.*  
English &101

#### B. Quantitative Skills/Symbolic Reasoning: (30 credits)

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

Mathematics &151, &152, &153, 238, 240 **and** &254

### 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 allowed in any one discipline.

No more than 5 credits in foreign language at the 100 level.

No more than 5 credits in performance/skills courses

(all courses in bold type) can be applied towards 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 course in Economics is recommended.

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, &201, &202  
**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

(62 credits)

It is strongly suggested that students beginning their science sequence complete it at the originating college.

**A. Physics** 201, 202, **and** 203  
(15 credits)

**B. Chemistry** &161 **and** &162  
(12 credits)

**C.** Select 5 credits from the following:

**Computer Science** &131, 132, &141, 145

**D.** Select 20 credits from the following:

**Engineering** 100, 106, &214, &215, &225

**E.** Select 10 credits from the following list after consultation with a science/engineering advisor.

**English** 128

**Engineering** &104, &114, 140, &204, &224

### 4. 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](mailto:DSS@greenriver.edu), (253) 833-9111, ext. 2631 or TTY at (253) 288-3359. LC-272.

**Associate in Mechanical, Civil, Aeronautical, Industrial or Materials Science Pre-Engineering**  
**Associate in Science Transfer Degree - Option 2 / Major Related Program (AST-2/MRP 1) Planning Guide – 112 Credits**

**1. GENERAL REQUIREMENTS (35 credits)**

- A. Engl& 101 \_\_\_\_\_
- B. Math& 151 \_\_\_\_\_
- Math& 152 \_\_\_\_\_
- Math& 153 \_\_\_\_\_
- Math 238 \_\_\_\_\_
- Math 240 \_\_\_\_\_
- Math& 254 \_\_\_\_\_

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

- A. **Humanities/Fine Arts/English**  
(10 credits, two separate areas)

\_\_\_\_\_

\_\_\_\_\_

- B. **Social Science** (5 credits)

*A course in Economics is recommended.*

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**3. SPECIFIC REQUIREMENTS (62 credits)**

- A. 15 credits
- Phys 201 \_\_\_\_\_
- Phys 202 \_\_\_\_\_
- Phys 203 \_\_\_\_\_

- B. 12 credits
- Chem& 161 \_\_\_\_\_
- Chem& 162 \_\_\_\_\_

- C. 5 credits
- CS& 131, 132, &141, or 145

D. 20 credits

- Engr 100 \_\_\_\_\_
- Engr 106 \_\_\_\_\_
- Engr& 214 \_\_\_\_\_
- Engr& 215 \_\_\_\_\_
- Engr& 225 \_\_\_\_\_

E. 10 credits

- Engl 128 \_\_\_\_\_
- Engr& 104 \_\_\_\_\_
- Engr& 114 \_\_\_\_\_
- Engr 140 \_\_\_\_\_
- Engr& 204 \_\_\_\_\_
- Engr& 224 \_\_\_\_\_

\*\* 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 |
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| TOTAL CREDITS |         | TOTAL CREDITS |         | TOTAL CREDITS |         | TOTAL CREDITS |         |
| SUMMER        |         | FALL          |         | WINTER        |         | SPRING        |         |
| COURSE        | CREDITS | COURSE        | CREDITS | COURSE        | CREDITS | COURSE        | CREDITS |
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|               |         |               |         |               |         |               |         |
| 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.