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

Minimum of 90 Credits (Summer 2013)

The Associate in Mechanical, Civil, Aeronautical, Industrial, or Materials Science Pre-Engineering AST-Option 2/MRP encompasses some 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 109-quarter credits in courses numbered 100 or above (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements 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 grade point average 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 transfer requirements and policies, as well as specific course choices and GPA requirements, and are urged to consult the catalog of the institution for 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)

Minimum 5 credits each from humanities/fine arts/English and social science areas plus 5 additional credits in either area (for a total of 15 credits). Three separate areas.

A. Humanities/Fine Arts/English
   A minimum of 5 credits from the following. No more than 5 credits 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) may be applied to the Humanities/Fine Arts/English distribution.

Chinese 111, &121, &122, &123 Communication Studies &102, &210, 212, 215, &220, &230, 238, 245, 265, 266

Dance 101, 102, 103, 110, 204 Drama &101, 102, 111, 151, 152, 153, 154, 157


Film 120, 121, 122, 191

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

German &121, &122, &123

Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 224

Japanese &121, &122, &123

Journalism 101, 107, 150, 151, 152, 254


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, 150, 211

Anthropology &100, &204, &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, 120, 123, 190, &200, 201, 205, 210


Political Science &101, &200, &202, &203, &204, 207, 209

Psychology &100, &180, &200, 201, 209, &220, 225, 240

Social Science 160, 211


3. SPECIFIC REQUIREMENTS (59 credits)

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

A. Physics &221, &222 and &223 (15 credits)

B. Chemistry &161 (6 credits)

C. Select 22 credits from the following:

Computer Science 120

Engineering 100, 106, 120, &214, &215, &225

D. Select 16 credits from the following after consultation with a Science/Engineering advisor:

Chemistry &162

Computer Science &131, 132, &141, 145

English 128

Engineering &104, &114, 140, &204, &224, 250

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.

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Green River College does not discriminate on the basis of race, creed, color, national origin, sex, sexual orientation, age, marital status, religion, disability, genetic information or any other unlawful basis. The college is committed to preventing and stopping discrimination, including harassment of any kind and any associated retaliatory behavior. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President of Human Resources, 12401 SE 320th Street, Auburn, WA 98092-3622, (253) 288-3320. To receive this information in an alternate format, please contact Disability Support Services at (253) 833-9111, ext. 2631; TTY (253) 288-3359.

The above program of study was current at the time of printing. The program may have been updated or changed to remain industry current. For program updates, please go to our web site at greeneriver.edu or contact the faculty adviser listed.
Planning Guide

1. BASIC SKILLS (35 credits)
   - Engl 101 (5)
   - Math 151 (5)
   - Math 152 (5)
   - Math 238 (5)
   - Math 240 (5)
   - Math 254 (5)

2. HUMANITIES/FINE ARTS/ENGLISH and SOCIAL SCIENCE (15 credits)
   - Humanities/Fine Arts/English (5 credits)
   - Social Science (5 credits)
   - A course in Economics is recommended

3. SPECIFIC REQUIREMENTS (59 credits)
   - A. Phys 221 (5)
   - Phys 222 (5)
   - Phys 223 (5)
   - Chem 161 (5)
   - B. Chem 162 (6)
   - CS 131 (3)
   - CS 132 (5)
   - CS 141 (5)
   - CS 145 (5)
   - Engl 128 (5)
   - Engr 104 (5)
   - Engr 114 (5)
   - Engr 140 (5)
   - Engr 204 (5)
   - Engr 224 (5)
   - Engr 250 (5)

   C. 5 credits from either Humanities/Fine Arts/English or Social Science (5)
   D. Select 16 credits

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

Total Credits

Notes:
1. Students must maintain a minimum overall GPA of 2.0. This minimum may not meet the entrance requirements at a four-year college.
2. Some majors at a four-year college have special requirements. It is the students’ responsibility to know these. Consult an Educational Planner or Faculty advisor for assistance in identifying or researching specific major requirements.

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