Associate in Biological or Chemical Pre-Engineering

The Associate in Science Transfer Degree - Option 2 / Major Related Program (AST-2/MRP) – 101-102 Credits

The Associate in Science Transfer degree Option 2 MRP in Biological or Chemical pre-Engineering 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 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 101-102 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 GPA of 2.0 on all college-level courses 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 transfer requirements and policies, as well as specific course choices and GPA requirements, and are urged to consult the catalog of the institution to which they plan to transfer.

1. BASIC SKILLS (30 credits)

A. Communication Skills: (5 credits)
Courses in this area support the written Communication learning outcome.
English &101

B. Quantitative Skills/Symbolic Reasoning: (25 credits)
Courses in this area support the quantitative and symbolic reasoning learning outcome.
Mathematics &151, &152, &153, 238, and &254

2. HUMANITIES/FINE ARTS/ENGLISH and SOCIAL SCIENCE (15 credits)
Minimum 5 credits each from humanities/ fine arts/English and social science area plus 5 additional credits in either area (for a total of 15 credits). 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 performance/skills courses.
(All courses in bold type) can be applied towards Humanities/Fine Arts/English distribution.
No more than 5 credits in foreign language at the 100 level.


Chinese &111, &121, &122, &123

Communication Studies &102, &210, 212, 215, &220, &230, 238, 245, 265

Dance 101, 102, 103, 110, 204

Drama &101, 111, 112, 113, 120, 121, 141, 151, 152, 153


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, 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


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

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

Social Science 160, 211


3. SPECIFIC REQUIREMENTS
(56-57 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, &162, &163 and &261 (24 credits)

C. Engineering 100 (2 credits)

D. Biology &100 or Chemistry &262 (5-6 credits)

E. Select at least 15 credits from the following list after consultation with an engineering advisor.

Biology &100

Chemistry &263*

Computer Science &131, 132, &141, 145

Engineering 100, &204, &224, 250

English 128

Mathematics 240

*An online course on chemical process, principles, and calculations will be added to this degree in the future.

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, (253) 833-9111, ext. 2631 or TTY at (253) 288-3359. LC-272.
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.

### Associate in Biological or Chemical Pre-Engineering

#### Associate in Science Transfer Degree - Option 2 / Major Related Program (AST-2/MRP) Planning Guide – 101-102 Credits

1. **BASIC SKILLS (30 credits)**
   - **A. Engl& 101**
   - **B. Math& 151**
   - **Math& 152**
   - **Math& 153**
   - **Math 238**
   - **Math& 254**

2. **HUMANITIES/FINE ARTS/ENGLISH and SOCIAL SCIENCE (15 credits)**
   - With at least 5 credits from each; three separate areas:
   - **A. Humanities/Fine Arts/English (5 credits)**
   - **B. Social Science (5 credits)**
     - *A course in Economics is recommended.*
   - **C. 5 credits from either Humanities/Fine Arts/English or Social Science**

3. **SPECIFIC REQUIREMENTS (56-57 credits)**
   - **A. 15 credits**
     - Phys 201
     - Phys 202
     - Phys 203
   - **B. 24 credits**
     - Chem& 161
     - Chem& 162
     - Chem& 163
     - Chem& 261
   - **C. 2 credits**
     - Engr 100
   - **D. 5-6 credits**
     - Biol& 100
     - Chem& 262
   - **E. 15 credits**
     - Biol& 100
     - Chem& 263
     - CS& 131
     - CS& 132
     - CS& 141
     - CS 145
     - Engl 128
     - Engr 100
     - Engr& 204
     - Engr& 224
     - Engr 250
     - Math 240

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

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