

Associate in Biological or Chemical Pre-Engineering

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.

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, 212, 215, &220, &230, 238, 245, 265

Dance 101, 102, 103, 110, 204

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

English &112, &113, &114, 115, 160, 161, 163, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, 239, &244, &245, &246, 247, 248, 249, &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, 107, 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, 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

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, 202, 215, 220, 230, 240, 245, 260

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.

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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

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 _____

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 _____

Note: 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.