



Summer 2017

The Associate in Science-Transfer Track 2/Major Related Program in Mechanical/Civil/Aeronautical/Industrial/Materials Science Pre-Engineering Degree 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 at Green River 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.

I. BASIC SKILLS (35 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the Associate in Science-Transfer Option 2 degree requirements.

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 and SOCIAL SCIENCE (15 credits)

Minimum 5 credits each from Humanities and Social Science areas plus 5 additional credits in either area (for a total of 15 credits). Three separate areas.

A. Humanities

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 distribution.

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 130, 133, 135, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**

Chinese 111, &121, &122, &123

Communication Studies &102, &210, 212, 213, 215, &220, &230, 238, 245, 265, 266

Dance 101, 102, 103, 110, 204

Drama &101, 102, 111, 151, 152, 153, 154, 157, 158

English &112, &113, &114, 115, 160, 161, 163, 164, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, &244, &245, &246, 247, 248, 249, 250, 251, &254, &255, &256, 257, 264

Film 120, 121, 122, 191

French &121, &122, &123, &221, &222, &223

German &121, &122, &123

Humanities 100, 110, 133, 142, 146, 160, 186, 190, 191, 200, 224

Japanese &121, &122, &123, &221, &222, &223

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

Music 101, 103, 104, &105, 107, 108, 109, 110, 118, 119, 120, &121, &122, &123, 124, 125, 127, 128, 129, &131, &132, &133, 140, 141, 142, 150, 151, 152, 218, 219, 220, &221, &222, 227, 228, 229, &231, &232, 250, 251, 252

Philosophy &101, 102, 103, 104, 105, 108, 110, 111, 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, 272



Mechanical/Civil/Aeronautical/Industrial/Materials Science

Pre-Engineering Pathway

Associate in Science Transfer Degree – Track 2

Major Related Program (AST-2/MRP)

Minimum of 109 Credits

B. Social Science

A course in Economics is recommended. A minimum of 5 credits from the following:

American Minority and Ethnic Studies 100, 103, 105, 150, 211, 214

Anthropology &100, &104, 108, &204, &205, &206, &207, &210, 211, &216, 220, &234, &235, &236, 273

Business Management &101, &181, &201

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

Economics 100, 101, &201, &202

Geography &100, 120, 123, 190, &200, 201, 205, 210

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, 220

Psychology &100, &180, &200, 201, 209, &220, 225, 240, 250

Social Science 160, 211

Sociology &101, &201, 202, 205, 214, 215, 220, 230, 240, 245, 260, 271

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. 22 credits

Computer Science/Engineering 12

Engineering 100, 106, &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

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

TRANSFERABILITY OF CREDITS

Green River 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.



Mechanical/Civil/Aeronautical/Industrial/Materials Science
Pre-Engineering Pathway
Associate in Science Transfer-Track 2/Major Related Program (AST-2/MRP)
 Minimum of 109 Credits

Summer 2017

Planning Guide (999Q)

1. BASIC SKILLS (35 credits)	3. SPECIFIC REQUIREMENTS (59 credits)
ENGL& 101 _____ (5) MATH& 151 _____ (5) MATH& 152 _____ (5) MATH& 153 _____ (5) MATH 238 _____ (5) MATH 240 _____ (5) MATH 254 _____ (5)	A. PHYS& 221 _____ (5) PHYS& 222 _____ (5) PHYS& 223 _____ (5) B. CHEM& 161 _____ (6) C. CS/ENGR 120 _____ (2) ENGR 100 _____ (2) ENGR 106 _____ (3) ENGR& 214 _____ (2) ENGR& 215 _____ (5) ENGR& 225 _____ (5) D. Select 16 credits from the following after consultation with (5) a Science/Engineering advisor: CHEM& 162; CS &131, 132, &141, 145; ENGR& 104, &114, 140, &204, &224, 250 _____ _____ _____
2. HUMANITIES and SOCIAL SCIENCE (15 credits)	
<i>With at least 5 credits from each. Three separate areas</i> A. Humanities (5 credits) _____ (5) B. Social Science (5 credits) _____ (5) C. Humanities or Social Science (5 credits) _____ (5)	

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	

- NOTES:**
- Students must maintain a minimum overall GPA of 2.0. This minimum may not meet the entrance requirements at a four-year college.
 - Some majors at a four-year college have special requirements. It is the student's responsibility to know these. Consult an Educational Planner or your Faculty Advisor for assistance in identifying or researching specific major requirements.