Summer 2017

Computer and Electrical Pre-Engineering Pathway
Associate in Science Transfer Degree – Option 2
Major Related Program (AST-2/MRP)
Minimum of 90 Credits

The **Associate in Science Transfer-Option 2 Major Related Program in Computer and Electrical 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 98-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** *(30 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 Skill** *(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 and SOCIAL SCIENCE**
(15 credits)
Minimum of 5 credits each from Humanities and Social Science area 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: <u>No more than 5 credits</u> *in foreign language at the 100 level.* <u>No more than 5 credits</u> *allowed in any one discipline.* <u>No more than 5 credits</u> *in performance/skills courses (**all courses in bold type**) can be applied towards 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, &220, 212, 213, 215, &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

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B. **Social Science**
A course in Economics is recommended. A minimum 5 credits from the following:

American Minority and Ethnic Studies 100, 103, 105, 150, 211
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** *(53 credits)*
It is strongly suggested that students beginning their science sequence complete it at the originating college.

A. **Physics** &221, &222 <u>*and*</u> &223 *(15 credits)*

B. **Chemistry** &161 *(6 credits)*

C. *10 credits*
Computer Science (&131 and 132) <u>*or*</u> (&141 and 145)

D. *12 credits*
Computer Science/Engineering 120
Engineering 100, 106, &204

E. **Select 10 credits from the following*
Engineering &104, &214, &224, 250
Mathematics 240

* *A course in digital logic will be added to this list in the future.*

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.

![Green River College logo]

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Minimum of 98 Credits

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Planning Guide (999P)

1. BASIC SKILLS *(30 credits)*

ENGL& 101	(5)
MATH& 151	(5)
MATH& 152	(5)
MATH& 153	(5)
MATH 238	(5)
MATH 254	(5)

2. HUMANITIES and SOCIAL SCIENCE *(15 credits)*
With at least 5 credits from each. Three separate areas

A. Humanities *(5 credits)*
(5)

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

C. Humanities *or* Social Science *(5 credits)*
(5)

3. SPECIFIC REQUIREMENTS *(53 credits)*

A. PHYS& 221	(5)
PHYS& 222	(5)
PHYS& 223	(5)
B. CHEM& 161	(6)
C. CS& 131 and	(5)
CS 132	(5)
OR	
CS& 141 and	(5)
CS 145	(5)

D. 12 credits
CS/ENGR 120; **ENGR** 100, 106, &204

E. *Select* **10** *credits from the following:*
ENGR &104, &214, 250; **MATH** 240
(5)
(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:
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 student's responsibility to know these. Consult an Educational Planner or your Faculty Advisor for assistance in identifying or researching specific major requirements.*