

## College of Eastern Idaho Academic Plan

### Associate of Science –Engineering Pathway

For students interested in Chemical, Civil, Mechanical, or Nuclear Engineering Majors

COURSES BLOCK 1 FRESHMAN FALL	CREDITS	BLOCK 1 NOTES
ENGL 101 Writing and Rhetoric I	3	
COMM 101 Fundamentals of Oral Communication	3	
*MATH 147 College Algebra and Trigonometry	5	<i>Prerequisite: MATH 108 or equivalent placement</i>
*EGR 120 Introduction to Engineering	2	<i>Pre/Coreq: MATH 147</i>
Arts & Humanities GEM Course	3	

**SEMESTER TOTAL** **16**

COURSES BLOCK 1 FRESHMAN SPRING	CREDITS	BLOCK 1 NOTES
ENGL 102 Writing and Rhetoric II	3	<i>Prerequisite: ENGL 101</i>
MATH 170 Calculus I	4	<i>Prerequisite: MATH 147</i>
CHE 111/L General Chemistry	5	<i>Prerequisite: MATH 147 or MATH 143</i>
GEM Elective	3	

**SEMESTER TOTAL** **15**

COURSES BLOCK 1 SOPHOMORE FALL	CREDITS	BLOCK 1 NOTES
MATH 175 Calculus II	3	<i>Prerequisite: MATH 170</i>
EGR 105 Engineering Graphics	2	<i>Recommended. Prerequisite: MATH 147</i>
Science GEM Course	4	<i>Non-CHE prefix</i>
Social Science GEM Course	3	
GEM Elective	3	

**SEMESTER TOTAL** **15**

COURSES BLOCK 1 SOPHOMORE SPRING	CREDITS	BLOCK 1 NOTES
Elective	3	
† EGR 210 Engineering Statics	3	<i>Recommended. Pre/Co-requisite: EGR 105</i>
† PHYS 211 Engineering Physics I	4	<i>Prerequisite: MATH 170</i>
Social Science GEM Course	3	<i>Different prefix from previous term</i>
Arts & Humanities GEM Course	3	<i>Different prefix from previous term</i>

**SEMESTER TOTAL** **15**

**TOTAL CREDITS** **63**

#### **RECOMMENDED COURSES**

*GEOL 101/L Physical Geography*

*† PHYS 212/L Engineering Physics II & Lab*

*PHYS 111/L & 112/L General Physics I & II*

*CPSC 181 Computer Science & Programming I*

\* *MATH 147 requirement can be bypassed should the student place into MATH 170 Calculus I via the Aleks testing.*

† Pending publication of future CEI catalog.

**For specific selection and sequencing of courses, students are strongly encouraged to meet with an academic advisor.**