

College of Eastern Idaho

AS Biology Pathway



Name: _____

ID: _____

- A total of 60 credits are required for an AA or AS degree. For the graduation requirements, see below for a listing of courses offered that satisfy each Ways of Knowing area. Please see your faculty advisor for any questions relating to your progress and goals.
- For an **Associates of Arts (AA)** at least 2 additional courses must be from Humanistic and Artistic and/or Social and Behavioral Ways of Knowing
- For an **Associates of Science (AS)** at least 2 additional courses must be from Mathematical and/or Scientific Ways of Knowing

Written Communication			
ENGL 101	◇ Writing and Rhetoric I	<i>Required</i>	3
ENGL 102	◇ Writing and Rhetoric II *	<i>Required</i>	3

Oral Communication			
COMM 101	◇ Fundamentals of Oral Communication	<i>Required</i>	3

Mathematical Ways of Knowing			
<i>Choose 1 Course</i>			
MATH 123	◇ Math in Modern Society *		3
MATH 143	◇ College Algebra *	<i>Required</i>	3
MATH 147	◇ College Algebra & Trigonometry *		5
MATH 153	◇ Statistical Reasoning *	<i>Required</i>	3
MATH 170	◇ Calculus I *	<i>Recommended</i>	4
BSN 216	Business Statistics (<i>GEM Pending</i>) *		3

Humanistic and Artistic Ways of Knowing			
<i>Choose 2 from different disciplines</i>			
ART 101	◇ Art History I		3
ART 102	◇ Art History II		3
CUL 207	◇ Introduction to American Indian Literature		3
ENGL 175	◇ Literature and Ideas		3
ENGL 215	◇ Survey of World Mythology *		3
HUM 101	◇ Introduction to Humanities I		3
HUM 102	◇ Introduction to Humanities II		3
MUSI 108	◇ Survey of Jazz and Pop Music		3
PHIL 101	◇ Introduction to Philosophy		3
PHIL 103	◇ Introduction to Ethics		3
SPAN 101	Elementary Spanish I (<i>GEM Pending</i>)		4

Social and Behavioral Ways of Knowing			
<i>Choose 2 from different disciplines</i>			
ANTH 101	◇ Physical Anthropology		3
ANTH 102	◇ Cultural Anthropology		3
CRJ 103	◇ Introduction to Law and Justice		3
ECON 201	◇ Principles of Macroeconomics		3
ECON 202	◇ Principles of Microeconomics		3
HIST 101	◇ World History I		3
HIST 102	◇ World History II		3
HIST 111	◇ U.S. History I		3
HIST 112	◇ U.S. History II		3
POLS 101	◇ American National Government		3
POLS 102	◇ Introduction to Political Science		3
PSYC 101	◇ Introduction to Psychology		3
SOC 101	◇ Introduction to Sociology		3
SOC 102	◇ Social Problems		3

Scientific Ways of Knowing			
<i>Choose 2 from different disciplines (at least 1 must have a lab)</i>			
BIOL 100	◇ Concepts of Biology		4
BIOL 120	◇ Environmental Science	<i>Optional</i>	4
BIOL 201/L	◇ Biology 1 & Lab	<i>Required</i>	4
BIOL 227/L	◇ Human Anatomy & Physiology & Lab	<i>Optional</i>	4
BIOL 228/L	◇ Human Anatomy & Physiology & Lab	<i>Optional</i>	4
BIOL 250/L	◇ General Microbiology & Lab	<i>Recommended</i>	4
CHEM 100	◇ Concepts of Chemistry		4
CHEM 101/L	◇ Introduction to Chemistry & Lab		4
CHEM 102/L	◇ Essentials of Organic & Biochemistry & Lab *		4
CHEM 111	◇ General Chemistry I with Lab *	<i>Required</i>	5
GEOL 101/L	◇ Physical Geology & Lab		4
NUTR 239	◇ Human Nutrition		3
PHYS 100/L	◇ Survey of Physics & Lab		4
PHYS 101/L	◇ Introduction to Physics & Lab		4
PHYS 111/L	◇ General Physics I & Lab *	<i>Recommended</i>	4
PHYS 112/L	◇ General Physics II & Lab *	<i>Recommended</i>	4

GEM Stamped Course			
Any GEM	◇		
Any GEM	◇		

Total General Education Credits /36

Degree GEM Courses			
<i>A minimum total of 6 GEM credits, Specific to AA or AS (see notes above):</i>			
Any GEM	◇	MATH 153 Statistical Reasoning	3
Any GEM	◇		

Total Degree GEM Credits /6

See other side for list of Elective courses and requirements.

◇ - Indicates GEM Stamped course. Any GEM stamped course is transferrable to any public institution in the state of Idaho.

* - Indicates Prerequisite or placement applies. See current CEI Catalog or Advisor for more information.

MATH 143 & 144 or 147 requirement can be bypassed should the student place into (and take) MATH 170 via the ACT, ALEKS, or SAT tests.

Electives

A total of approximately 18 credits are required for electives, (60 overall credits) Credits may also come from other objective areas.

ACC 201	Introduction to Financial Accounting		3
ACC 202	Introduction to Managerial Accounting *		3
ART 105	Design I		3
ART 109	Drawing I		3
ART 231	Introduction to Graphic Design		3
BIOL 202/L	Biology 2 & Lab *	Required	4
BIOL 209/L	General Ecology & Lab	Optional	4
BSN 101	Introduction to Business		3
BSN 201	Business Communication *		3
BSN 215	Introduction to Information Science		3
BSN 217	Advanced Business Statistics *		3
BSN 250	Principles of Marketing		3
BSN 255	Leadership Development Skills		3
BSN 261	Legal Environments of Organizations		3
CHEM 112	General Chemistry with Organic Lab *	Required	5
COMM 233	Interpersonal Communication		3
CPSC 181	Computer Science & Programming		3
EAR 105	Early Childhood Environments		3
EDU 201	Foundations of Education		3
EDU 204	Families, Communities, Culture		3
EGR 105	Engineering Graphics *		2
EGR 120	Introduction to Engineering *		2
ENGL 203	Effective Technical Communication *	Optional	3
ENGL 206	Introduction to Creative Writing *		3
ENGL 235	Introduction to Shakespeare *		2
GS 101	Academic & Career Exploration		1
GS 110	Biology Career Exploration	Optional	1
HCT 101	Medical Terminology	<i>Optional</i>	2
HIST 201	Women in U.S. History		3
HIST 291	Historians Craft		3
MATH 144	Trigonometry *	Recommended	2
MATH 175	Calculus II *		4
MATH 256	Arithmetic for Elementary Teachers *		3
MATH 257	Geometry & Probability for Elementary Teachers *		3
PHIL 201	Introduction to Logic		3
POLS 221	Introduction to International Relations		3
PSYC 120	Careers in Psychology *		1
PSYC 211	Psychology of Death and Dying *		3
PSYC 225	Child Development *		3
SOC 248	Critical Analysis of Social Diversity		3
SPAN 102	Elementary Spanish II *		4
SWK 271	Introduction to Social Work		3
SWK 272	Human Behavior and the Social Environment		3
ZOOL 280	Pathophysiology *		3

Other Courses

	Course	Grade

Graduation Requirements

To graduate from CEI with your Associates Degree you must have:

- Cumulative GPA of 2.0
- Minimum grade of C- (70%) in all required courses
- At least 25% (15 credits) of your courses must come from CEI

Total General Education Credits (from above)	
Total Degree GEM Credits (from above)	
Total Elective Credits	

Total Associates Degree Credits	/60
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- **Comparable majors offered at:**
 Boise State University, BYU-Idaho, Grand Canyon University, Idaho State University, Lewis-Clark State College, Montana Tech, Northwest Nazarene University, University of Idaho, University of Montana, University of Montana Western, Utah State University, Washington State University, Weber State University
- **Comparable majors include, but not limited to:**
 Biochemistry, Bioinformatics, Biology Education, Biomedical, Biotechnology, Ecology, Environmental Sciences, Health Physics, Microbiology, Molecular Biology, Pre-Medical, Wildlife Biology, Zoology

This list of courses is subject to change. Not all courses are provided every semester. Please see a current CEI Catalog or your Self-Service for most up to date list of courses.

Sample Schedule



Momentum Year

Semester 1		Credits	Notes
* ENGL 101	Writing & Rhetoric I	3	
* COMM 101	Fundamentals of Oral Communication	3	
MATH 143	College Algebra	3	
BIOL 201/L	Biology I & Lab	4	
* GEM 6		3	Any S&B WoK
Semester total		16	

Semester 2		Credits	Notes
* ENGL 102	Writing & Rhetoric II	3	Prereq: ENGL 101
* MATH 144	Trigonometry	2	
BIOL 202/L	Biology II & Lab	4	Prereq: BIOL 201/L
* GEM 5		3	Any H&A WoK
* GEM 6		3	S&B WoK of different prefix
Semester total		15	

Summer Semester (Optional)		Credits	Notes
Semester total			

Transition Year

Semester 3		Credits	Notes
CHEM 111	General Chemistry I	5	Prereq: MATH 143
MATH 170	Calculus I	4	Recommended. Prereqs apply
PHYS 111/L	General Physics I & Lab	4	Recommended. Prereq: MATH 143
Elective		1-3	
Semester total		14-16	

Semester 4		Credits	Notes
* MATH 153	Statistical Reasoning	3	
CHEM 112	General Chemistry with Organic Lab	5	Prereq: CHEM 111
* GEM 5		3	H&A WoK of different prefix
PHYS 112/L	General Physics II & Lab	4	Recommended. Prereq: PHYS 111
Semester total		15	

Summer Semester (Optional)		Credits	Notes
Semester total			

* Indicates courses that may be offered as a Summer 8 week option

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