

College of Eastern Idaho

AA/AS Computer Science 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	Required	3
ENGL 102	◇ Writing and Rhetoric II *	Required	3

Oral Communication			
COMM 101	◇ Fundamentals of Oral Communication	Required	3

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

Humanistic and Artistic Ways of Knowing			
Choose 2 from different disciplines			
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 (GEM Pending)		4

Social and Behavioral Ways of Knowing			
Choose 2 from different disciplines			
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			
Choose 2 from different disciplines (at least 1 must have a lab)			
BIOL 100	◇ Concepts of Biology		4
BIOL 120	◇ Environmental Science		4
BIOL 201/L	◇ Biology 1 & Lab	Optional	4
BIOL 227/L	◇ Human Anatomy & Physiology & Lab I		4
BIOL 228/L	◇ Human Anatomy & Physiology & Lab II *		4
BIOL 250/L	◇ General Microbiology & Lab		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 *	Recommended	5
GEOL 101/L	◇ Physical Geology & Lab	Optional	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 *	Optional	4
PHYS 112/L	◇ General Physics II & Lab *	Optional	4

GEM Stamped Course			
Any GEM	◇		
Any GEM	◇		

Total General Education Credits /36

Degree GEM Courses			
A minimum total of 6 GEM credits, Specific to AA or AS (see notes above):			
Any GEM	◇		
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 prerequisite can be bypassed should the student place into MATH 170 Calculus I via the ACT, ALEKS, or SAT tests.

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	<i>Recommended</i>
* GEM 5		3	<i>Any H&A WoK</i>
* Any GEM		3	<i>Per AA or AS requirement</i>
Semester total		15	

Semester 2		Credits	Notes
* ENGL 102	Writing & Rhetoric II	3	<i>Prereq: ENGL 101</i>
* MATH 144	Trigonometry	2	<i>Recommended</i>
* GEM 4		4	<i>Any Scientific WoK of different prefix</i>
* GEM 6		3	<i>Any S&B WoK</i>
CPSC 181	Computer Science and Programing I	3	<i>Pre/Coreq: MATH 143</i>
Semester total		15	

Summer Semester (Optional)		Credits	Notes
Semester total			

Transition Year

Semester 3		Credits	Notes
MATH 170	Calculus I	4	
* GEM 6		3	<i>S&B WoK of different prefix</i>
GEM 4		4-5	<i>CHEM 111 recommended</i>
* Any GEM		3	<i>Per AA or AS requirement</i>
Elective		(1)	<i>Depending on course selection</i>
Semester total		14-15	

Semester 4		Credits	Notes
MATH 175	Calculus II	4	
* GEM 5		3	<i>H&A WoK of different prefix</i>
ENGL 203	Effective Technical Communication	3	
* Any GEM		3	
Elective		2-3	<i>Depending on course selection</i>
Semester total		15-16	

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