

### Associate of Science Courses by Category

- Students must earn a minimum number of credits in each category, listed below, and earn a total of 60 credits in order to be conferred the degree.
- A minimum 2.0 cumulative G.P.A. and a minimum grade of 'C' or better for each course is required for graduation.
- Although some courses are listed in more than one category, courses may only be applied toward one category. Once the course is applied to a specific category, it cannot be applied to a second category.
- Additional course offerings are available through outside institutions, including UW-Parkside. Courses completed at other institutions may transfer in and be applied toward select categories. See your academic advisor for more information.
- 890-155 Gateway to Success must be taken within the first semester.
- All courses listed below may also serve as elective courses for this program. Additional elective courses that are accepted for this degree are listed at the end.
- If a student intends to transfer this degree to another institution, it is the student's responsibility to ensure they are selecting appropriate courses for transfer into their intended major. Reach out to your intended transfer institution for more details regarding their transfer policies prior to enrolling in courses at Gateway. Additionally, Transferology can be used to verify transfer credits. You can create a free account at <https://www.transferology.com/index.htm>

<b>First-Year Seminar</b> Take 1 credit		
Course No.	Title	Credits
890-155	Gateway to Success	1

<b>Written Communications A</b> Take 3 credits		
Course No.	Title	Credits
801-136	English Composition 1	3

<b>Written Communications B</b> Take 3 credits					
Course No.	Title	Credits	Course No.	Title	Credits
801-197	Technical Reporting	3	801-205	Creative Writing	3
801-202	English Composition 2	3	801-212	Ethnic Literature	3
801-204	Intro to Literature	3			

<b>Speech</b> Take 3 credits		
<b>Course No.</b>	<b>Title</b>	<b>Credits</b>
801-198	Speech	3

<b>World Languages</b> Take 4 credits Or this can be waived by 1 year of World Language in high school with an average grade of "C" or better					
<b>Course No.</b>	<b>Title</b>	<b>Credits</b>	<b>Course No.</b>	<b>Title</b>	<b>Credits</b>
802-201	Spanish 1	4	802-203	Spanish 3	4
802-202	Spanish 2	4	802-204	Spanish 4	4

<b>Health/ Wellness/ Physical Education</b> Take 1 credit					
<b>Course No.</b>	<b>Title</b>	<b>Credits</b>	<b>Course No.</b>	<b>Title</b>	<b>Credits</b>
806-203	Nutrition	3	807-201	Fitness Fundamentals	1
807-205	Health & Wellness	1			

<b>Social Sciences</b> Take 3 credits					
<b>Course No.</b>	<b>Title</b>	<b>Credits</b>	<b>Course No.</b>	<b>Title</b>	<b>Credits</b>
809-128	Marriage & Family	3	809-195	Economics	3
809-143	Microeconomics	3	809-196	Intro to Sociology	3
809-159	Abnormal Psychology	3	809-198	Intro to Psychology	3
809-188	Developmental Psych	3	809-144/201	Macroeconomics	3
806-112	Principles of Sustainability	3	809-122	Introduction to American Government	3
809-166	Introduction to Ethics	3			

<b>Diversity</b> Take 3 credits		
<b>Course No.</b>	<b>Title</b>	<b>Credits</b>
809-172	Introduction to Diversity Studies	3

<b>Humanities</b> Take 3 credits					
<b>Course No.</b>	<b>Title</b>	<b>Credits</b>	<b>Course No.</b>	<b>Title</b>	<b>Credits</b>
105-106	Business Communications	3	801-204	Intro to Literature	3
201-100	Design Concepts	4	801-205	Creative Writing	3
201-101	Computer Illustration & Drawing	3	801-212	Ethnic Literature	3
201-102	Intro to Digital Photography	3	802-126	Spanish for Healthcare	3
201-103	Illustration Media Concepts	3	802-201	Spanish 1	4
201-105	Multimedia Survey	3	802-202	Spanish 2	4
201-106	Design Publishing & Prepress	4	802-203	Spanish 3	4
201-112	Advanced Digital Photography	3	802-204	Spanish 4	4
801-196	Oral/Interpersonal Communication	3	802-220	Latinos in the U.S.: Culture, Language, & Literature	3
801-197	Technical Reporting	3	809-166	Ethics: Theory & Apps.	3
801-202	English Composition 2	3	304-118	Art History	3
809-103	Thinking Critically and Creatively	3			

<b>Mathematics</b>					
Take 10 credits minimum					
(Note: The Mathematics and Natural Science categories must sum to 20 credits)					
Course No.	Title	Credits	Course No.	Title	Credits
804-115	College Tech Math 1	5	804-198	Calculus 1	4
804-181	Calculus 2	4	804-211	Calculus 3	4
804-189	Introductory Statistics	3	804-255	Ordinary Differential Equations	4
804-197	College Algebra & Trig w/ Applications	5			

<b>Natural Science</b>					
Take 8 credits minimum to include two lab courses from two different scientific disciplines.					
Lab courses are designated as (B) for the Biological Sciences discipline, (C) for the Chemistry discipline, and (P) for the Physics discipline.					
(Note: The Mathematics and Natural Science categories must sum to 20 credits.)					
Course No.	Title	Credits	Course No.	Title	Credits
806-105	Principles of Animal Biology (B)	4	806-197	Microbiology (B)	4
806-112	Principles of Sustainability	3	806-201	Survey of Natural Science (B)	4
806-114	General Biology (B)	4	806-203	Nutrition	3
806-134	General Chemistry (C)	4	806-204	Human Pathophysiology	3
806-154	General Physics 1 (P)	4	806-209	College Chemistry 1 (C)	5
806-158	Calc Physics 1 Enhancement	1	806-212	College Chemistry 2 (C)	5
806-177	General Anatomy & Physiology (B)	4	806-237	Biology 1 (B)	5
806-179	Advanced Anatomy & Physiology (B)	4	806-238	Biology 2 (B)	5
806-186	Intro to Biochemistry (C)	4	806-224	University Physics 2 (P)	5

### Electives

Although the degree requires a minimum of 15 elective credits, courses may be applied toward elective credits once the minimum categorical credits have been earned.

Students may need to take additional elective credits to reach the degree minimum of 60 credits total.

All courses above can also serve as electives for this program.

Course No.	Title	Credits	Course No.	Title	Credits
605-113	DC/AC 1	3	606-151	Statics	3
605-114	DC/AC 2	3	662-105	Advanced Circuits	3
606-131	Strength of Materials	3	890-299	Gateway to Research	1
606-141	AutoCAD Mechanical Design Technology	3			

Students should reach out to their transfer institution for guidance regarding which Gateway courses to take; however, students interested in pursuing a major related to Biology, Chemistry, or Health Science should consider the recommended sequence of core courses identified below.

Recommended Course	Chemistry Pathway	Biology Pathway	Health Pathway
Core 1	804-198 Calculus 1 (4 cr)	804-198 Calculus 1 (4 cr)	806-177 General A&P (4 cr)
Core 2	806-209 College Chemistry 1 (5 cr)	806-209 College Chemistry 1 (5 cr)	806-209 College Chemistry 1 (5 cr)
Core 3	Science Lab Course in a non-chemistry discipline	806-237 Biology 1 (5 cr)	806-237 Biology 1 (5 cr)
Core 4	804-181 Calculus 2 (4 cr)	804-189 Introductory Statistics (4 cr)	806-179 Advanced A&P (4 cr)
Core 5	806-112 College Chemistry 2 (5 cr)	806-238 Biology 2 (5 cr)	806-203 Nutrition (3 cr)
Elective	Take any science or math course	806-112 College Chemistry 2 (5 cr)	806-197 Microbiology (4 cr)