

ARTS AND SCIENCES, AAS

The Associate of Arts and Sciences degree is the foundation for many college majors. The degree signals to employers that the degree holder has advanced skills in communication and critical thinking skills. These skills are paramount for success in today's workplace. The degree gives the recipients the foundation for acquiring new knowledge, which is vital to pursuing a bachelor's degree and to adapting to change in the work environment. The Associate degree is confirmation of an important accomplishment on the road to a bachelor's degree. Students who complete the Associate of Arts and Sciences degree are considered to have satisfied the General Education Requirements for a bachelor's degree from UWM.

The AAS degree is also offered as an online, flexible option (<https://flex.wisconsin.edu/degrees-programs/associate-degree-online/>). This allows you to earn the credits you need at your own pace, on your schedule, building on knowledge you already have.

Requirements

A minimum of 60 credits is required. At least 36 of the 60 credits, or, at least 12 of the final 24 credits must be earned at UWM. Students must have a cumulative GPA of 2.0 in credits attempted at UWM.

The Associate of Arts and Sciences degree requires that core requirements in writing and mathematics be completed as well as a distribution of credits in breadth of knowledge categories. The breadth categories in the degree are defined on the General Education (<http://catalog.uwm.edu/policies/undergraduate-policies/#generaleducationtext>) page.

Code	Title	Credits
Core Requirements ¹		
CGS ENG 102	Critical Writing, Reading, and Research	3
Choose one of the following:		3
CGS MAT 102	Mathematical Literacy for College Students II	
CGS MAT 103	Contemporary Applications of Mathematics	
CGS MAT 104	Quantitative Reasoning	
CGS MAT 105	Introduction to College Algebra	
CGS MAT 108	Quantitative Reasoning	
CGS MAT 110	College Algebra	
CGS MAT 116	College Algebra	
Breadth Categories		
<i>Arts and Humanities</i>		9
Must include:		
1 Arts course		
1 Humanities course		
<i>Mathematics and Natural Sciences</i>		11
Must include:		
8 credits in 2 Natural Science areas		
1 laboratory science course		
Remaining credits can be any MS or NS courses		
<i>Social Sciences</i>		9
Must include credits from at least 2 disciplines		
<i>Application and Performance</i>		3

Cultural Diversity 3

Courses may be counted toward another breadth category

Interdisciplinary Studies 3

Courses may be counted toward another breadth category

Electives

A student who has met the core requirements and the other breadth category minimums may complete the 60 credit minimum requirement with courses in this category.

¹ Students must achieve a grade of C or better or receive an exemption.

- Exemption from the Core Writing requirement can be achieved by submitting a portfolio of written work that demonstrates achievement of the English 102 learning outcomes. Only students who have achieved an appropriate score on the English Placement Test (or other appropriate test, as determined by the Arts and Humanities Department) are eligible.
- Exemption from the Core Math requirement can be achieved by earning a placement code of at least 30 on the Mathematics Placement Test (or other appropriate test, as determined by the Math and Natural Sciences Department).

Courses used to satisfy the writing and mathematics requirements and their prerequisites may not be used to satisfy a breadth requirement except that:

- A core course or its prerequisite will be eligible for Interdisciplinary Studies credit when it is linked with another course and meets the criteria and procedures specified in Institutional Policy 101.01 for Interdisciplinary Studies (<https://tinyurl.com/ql5arn6/>).
- A student who earns credit in one of the sequences below with a grade of C or better in at least one of the courses may use the other course to satisfy part of the Mathematics and Natural Sciences breadth requirement.

Code	Title	Credits
CGS MAT 102 & CGS MAT 105	Mathematical Literacy for College Students II and Introduction to College Algebra	6
CGS MAT 102 & CGS MAT 110	Mathematical Literacy for College Students II and College Algebra	6
CGS MAT 102 & CGS MAT 116	Mathematical Literacy for College Students II and College Algebra	6
CGS MAT 103 & CGS MAT 105	Contemporary Applications of Mathematics and Introduction to College Algebra	6
CGS MAT 103 & CGS MAT 110	Contemporary Applications of Mathematics and College Algebra	6
CGS MAT 103 & CGS MAT 116	Contemporary Applications of Mathematics and College Algebra	6
CGS MAT 104 & CGS MAT 105	Quantitative Reasoning and Introduction to College Algebra	6
CGS MAT 104 & CGS MAT 110	Quantitative Reasoning and College Algebra	6

CGS MAT 104 & CGS MAT 116	Quantitative Reasoning and College Algebra	6
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3. A student who earns a C or better in the course below may use the course to satisfy part of the Mathematics and Natural Sciences breadth requirement.

Code	Title	Credits
CGS MAT 115	Precalculus	4

Emphases

Students pursuing the Associate of Arts and Sciences Degree (AAS) may elect to receive a degree with emphasis: a concentration of coursework in a given discipline or in more than one discipline, in the case of an interdisciplinary emphasis. Students seeking an Associate of Arts and Sciences Degree with an emphasis must successfully complete the AAS requirements and the specific emphasis requirements.

Anthropology Emphasis

Code	Title	Credits
Required Course		
CGS ANT 100	Introduction to Anthropology	3
Elective Courses		
Choose 3 additional Anthropology courses:		9-11
CGS ANT 102	Discovering our Past: An Introduction to Archaeology and the Prehistoric World	
CGS ANT 104	Introduction to Cultural Anthropology	
CGS ANT 105	Introduction to Biological Anthropology	
CGS ANT 150	Food, Culture, and Identity ES	
CGS ANT 314	American Indian Societies and Cultures	
CGS ANT 343	Religion, Magic and Witchcraft	
CGS ANT 350	Introduction to Medical Anthropology: Health and Healing	
Total Credits		12-14

Art Emphasis

Code	Title	Credits
Required Courses		
CGS ART 101	Introduction to Drawing	
CGS ART 112	Three-Dimensional Design	
Choose 1 of the following:		3
CGS ART 181	Survey: Ancient and Medieval Art	
CGS ART 183	Survey: Renaissance - Modern Art	
CGS ART 187	Survey: Modern Art	
CGS ART 188	Survey: Modern Architecture and Design	
Choose 1 of the following:		3
CGS ART 102	Intermediate Drawing	
CGS ART 111	Two-Dimensional Design	
CGS ART 121	Introduction to Painting	
CGS ART 131	Introduction to Sculpture	
CGS ART 141	Introduction to Printmaking	
CGS ART 154	Introduction to Ceramics	

CGS ART 161	Introduction to Photography (Required courses)	
Total Credits		12

Biological Sciences Emphasis

Code	Title	Credits
Required Courses		
Biological Sciences (CGS BIO) course		3-5
Biological Sciences (CGS BIO) course with lab component		3-5
Biological Sciences (CGS BIO) course with lab component		3-5
Biological Sciences (CGS BIO) course with lab component		3-5
Total Credits		12-20

Business Emphasis

Code	Title	Credits
Required Courses		
CGS BUS/CGS ENG 210	Business Communication	3
CGS BUS 201	Introductory Accounting	4
CGS BUS 230	Introduction to Management Information Systems	3
CGS BUS/CGS ECO 243	Economic and Business Statistics	3
CGS ECO 203	Economics - Macro	3
CGS ECO 204	Economics - Micro	3
Choose 1 of the following courses:		3-4
CGS BUS 202	Intermediate Accounting	
CGS BUS 204	Managerial Accounting	
Total Credits		22-23

Chemistry Emphasis

Code	Title	Credits
Required Courses		
CGS CHE 145	General Chemistry I	5
CGS CHE 155	General Chemistry II	5
CGS CHE 343	Organic Chemistry I	3
CGS CHE 363	Organic Chemistry II	3
Total Credits		16

Communication Arts Emphasis

Completion of the following courses will fulfill the requirements for this emphasis.

Code	Title	Credits
Required Course		
CGS CTA 103	Introduction to Public Speaking	3
Elective Courses		
Choose 9 credits from the following:		9
CGS CTA 101	Introduction to Interpersonal Communication	
CGS CTA 115	Introduction to Business and Professional Communication	
CGS CTA 150	Introduction to Film	
CGS CTA 201	Introduction to Mass Communication	
CGS CTA 210	Introduction to Intercultural Communication	

CGS CTA 218	Popular Culture in the Media	
CGS CTA 294	Internship in Communication and Theatre Arts	
CGS CTA 298	Topics in Speech and Dramatic Arts	
Total Credits		12

Education Emphasis

Code	Title	Credits
Required Courses		
CGS EDU 201	Concepts, Issues, and Field Experience in Education	3
CGS EDU 230	Educational Psychology	3-4
Choose 1 of the following:		3-4
CGS PSY 201	Introductory Psychology	
CGS PSY 202	Introductory Psychology	
CGS EDU 300	The Exceptional Individual	
Choose 1 of the following:		3
CGS PSY 250	Life Span Developmental Psychology	
CGS PSY 360	Psychology of Childhood and Adolescence	
CGS HIS 101	History of the United States: From the Era of the Columbian Exchange to the Era of the Civil War	
CGS HIS 102	History of the United States: From the Era of the Civil War to the Present ES	
CGS POL 104	American Government and Politics	
Total Credits		12-14

Engineering Emphasis

Code	Title	Credits
Required Courses		
CGS EGR 105	Engineering Fundamentals	3
CGS EGR 201	Statics	3
Choose a minimum of 1 of the following:		3-5
CGS EGR 203	Mechanics of Materials	
CGS CPS 245	Computer Science I: Object-Oriented Programming	
Choose a minimum of 2 of the following:		6
CGS EGR 110	Engineering Graphics with Computer Aided Drafting	
CGS EGR 202	Dynamics	
CGS EGR 282	Engineering Economics	
CGS ECO 204	Economics - Micro	
Total Credits		15-17

Environmental Studies Emphasis

Code	Title	Credits
Choose one of the following:		
CGS CHE 125	Introductory Chemistry	
CGS BIO 101	Concepts of Biology	
CGS BIO 150	Foundations of Biological Sciences I	
CGS CHE 145	General Chemistry I	
CGS GEO 123	Physical Geography: Weather and Climate	

Choose one of the following:		3-4
CGS BIO 191	Environmental Science	
CGS BIO 310	General Ecology	
CGS INT 290	Special Topics in Interdisciplinary Studies (Topic: Global Sustainability)	

Choose one of the following:		3
CGS PHI 244	Environmental Ethics	
CGS INT 290	Special Topics in Interdisciplinary Studies (Topic: Honor's Seminar)	
CGS SOC 355	Sociology of the Environment	

Choose one of the following:		3
CGS MAT 117	Elementary Statistics	
CGS MAT 215	Elementary Statistical Analysis	
CGS PSY 210	Statistical Methods in Psychology	
CGS ECO 243	Economic and Business Statistics	
CGS ECO 101	Intro to Economics	
CGS ECO 203	Economics - Macro	
CGS ECO 204	Economics - Micro	

Total Credits 13-15

Gender, Sexuality, and Women's Studies Emphasis

Code	Title	Credits
Required Courses		
Choose 1 of the following courses:		
CGS GSW 101	Introduction to Gender, Sexuality, and Women's Studies (IS)	
CGS GSW 102	Women's Voices	
Elective Courses		
Choose 3 of the following courses (note: CGS GSW 102 can be counted as an elective if CGS GSW 101 was also completed):		
CGS GSW 201	Introduction to LGBTQ Studies	
CGS GSW 202	Feminist Philosophy	
CGS GSW 203	Women in Popular Culture ES	
CGS GSW 204	Introduction to Masculinities	
CGS GSW 210	Women's Health & Sexuality in Society ES	
CGS GSW 231	Sex, Power and Public Policy	
CGS GSW 279	Women Writers	

Total Credits 12

Geography Emphasis

Code	Title	Credits
Required Courses		
CGS GEO 123	Physical Geography: Weather and Climate	4-5
CGS GEO 124	Physical Geography: Landforms	4-5
Choose one of the following:		3
CGS GEO 101	Introduction to Cultural Geography	
CGS GEO 110	World Regional Geography	
Elective Course - Student/Advisor choice		
CGS GEO XXX (Any other CGS GEO course)		3-5
Total Credits		14-18

Geosciences Emphasis

Code	Title	Credits
Required Courses		
CGS GLG 102	Historical Geology	4-5
CGS GLG 101	Physical Geology	4-5
or CGS GLG 169	Environmental Geology	
Choose 2 of the following, but cannot use both CGS PHY 120 and CGS PHY 209		8-10
CGS CHE 145	General Chemistry I	
CGS MAT 221	Calculus and Analytical Geometry I	
CGS PHY 120	General Physics I (Non-Calculus Treatment)	
CGS PHY 209	Physics I (Calculus Treatment)	
Total Credits		16-20

Health Sciences Emphasis

Code	Title	Credits
Required Courses		
CGS BIO 101	Concepts of Biology	5
Choose 1 of the following courses:		4
CGS BIO 202	Anatomy and Physiology 1	
CGS BIO 203	Anatomy and Physiology 2	
Choose 1 of the following courses:		5
CGS CHE 125	Introductory Chemistry	
CGS CHE 145	General Chemistry I	
Choose 1 of the following courses:		2-5
CGS MAT 117	Elementary Statistics	
CGS MAT 215	Elementary Statistical Analysis	
CGS BIO 251	General Survey of Microbiology	
Choose 1 of the following courses:		3-4
CGS PSY 201	Introductory Psychology	
CGS PSY 202	Introductory Psychology	
Total Credits		19-23

History Emphasis

Code	Title	Credits
Required Courses		
CGS HIS 101	History of the United States: From the Era of the Columbian Exchange to the Era of the Civil War	3
CGS HIS 102	History of the United States: From the Era of the Civil War to the Present ES	3
Any 200-level CGS HIS course		3
Choose 1 of the following courses:		3
CGS HIS 105	History of Western Civilization from Ancient Times to the Era of the Renaissance	
CGS HIS 161	World History to 1500	
Choose 1 of the following courses:		3
CGS HIS 106	History of Western Civilization from the Era of the Renaissance to Contemporary Times	

CGS HIS 162	World History Since 1500	
Total Credits		15

Literature Emphasis

Code	Title	Credits
Elective Courses		
English (CGS ENG) course numbered 242-289		3
English (CGS ENG) course numbered 242-289		3
English (CGS ENG) course numbered 242-289		3
English (CGS ENG) course numbered 242-289		3
Total Credits		12

Mathematics Emphasis

Code	Title	Credits
Required Courses		
CGS MAT 221	Calculus and Analytical Geometry I	5
CGS MAT 232	Calculus and Analytic Geometry II	4
CGS MAT 233	Calculus and Analytic Geometry III	4
Elective Courses		
Choose from the following courses:		3-5
CGS MAT 215	Elementary Statistical Analysis *	
CGS MAT 210	Topics in Finite Mathematics	
CGS MAT 228	Statistical Analysis	
CGS MAT 229	Linear Algebra	
CGS MAT 271	Ordinary Differential Equations	
CGS ECO/CGS BUS 243	Economic and Business Statistics	
CGS PHY 201	University Physics I	
or CGS PHY 202	University Physics II	
CGS CPS 245	Computer Science I: Object-Oriented Programming	
CGS CPS 255	Computer Science II: Objects and Data Abstraction	
CGS EGR 263	Engineering Thermodynamics	
Total Credits		16-18

* CGS MAT 215 is not recommended for students who intend to major in Mathematics.

Music Emphasis

Code	Title	Credits
Required Courses		
CGS MUS 171	Music Theory I	3
Choose 1 of the following courses:		1-2
CGS MUS 1	Beginning Piano	
CGS MUS 2	Beginning Piano	
CGS MUS 3	Elementary Piano	
CGS MUS 4	Elementary Piano	
Choose 2 of the following courses:		6
CGS MUS 172	Music Theory II	
CGS MUS 173	Music Literature and Appreciation	
CGS MUS 174	Music Literature and Appreciation	
CGS MUS 273	Jazz History and Appreciation	

CGS MUS 278	History of Rock and Roll	
CGS MUS 285	World Music	
Total Credits		10-11

Philosophy Emphasis

Code	Title	Credits
Required Courses		
CGS PHI 101	Introduction to Philosophy	3
CGS PHI 211	Elementary Logic	3
Choose 1 of the following courses:		3
CGS PHI 237	Technology, Values and Society	
CGS PHI 241	Ethics	
CGS PHI 244	Environmental Ethics	
CGS PHI 248	Biomedical Ethics	
Elective Courses - Student/Advisor Choice		
Choose two additional CGS PHI courses		6
Total Credits		15

Physics Emphasis

Code	Title	Credits
Required Courses		
CGS PHY 201	University Physics I	5
CGS PHY 202	University Physics II	5
CGS PHY 205	Modern Physics	3
CGS MAT 223	Calculus & Analytical Geometry III	4-5
Total Credits		17-18

Political Science Emphasis

Code	Title	Credits
Required Courses		
CGS POL 104	American Government and Politics	3
Choose 2 of the following courses:		6
CGS POL 120	Politics of Crime and Punishment	
CGS POL 160	Comparative Politics	
CGS POL 175	International Politics	
CGS POL 231	Sex, Power and Public Policy	
Choose 2 of the following courses:		6
CGS POL 210	Civil Liberties	
CGS POL 215	Media and Politics	
CGS POL 280	Terrorism	
Total Credits		15

Pre-Nursing Emphasis

Code	Title	Credits
Required Courses		
CGS BIO 251	General Survey of Microbiology	4-5
CGS BIO 202	Anatomy and Physiology 1	4
CGS BIO 203	Anatomy and Physiology 2	4
Choose 1 of the following courses:		3-5
CGS CHE 125	Introductory Chemistry	
CGS CHE 203	Survey of Biochemistry	
Choose 1 of the following courses:		5
CGS BIO 101	Concepts of Biology	

CGS BIO 150	Foundations of Biological Sciences I	
Total Credits		20-23

Psychology Emphasis

Code	Title	Credits
Required Courses		
CGS PSY 210	Statistical Methods in Psychology	3
Choose 1 of the following courses:		3-4
CGS PSY 201	Introductory Psychology	
CGS PSY 202	Introductory Psychology	
Choose 1 of the following courses:		3
CGS PSY 250	Life Span Developmental Psychology	
CGS PSY 360	Psychology of Childhood and Adolescence	
CGS PSY 362	Psychology of Adulthood and Aging	
Choose 1 of the following courses:		3-4
CGS BIO 180	Introduction to Human Biology	
CGS BIO 201	Principles of Ecology	
CGS BIO 202	Anatomy and Physiology 1	
Total Credits		12-14

Sociology Emphasis

Code	Title	Credits
Required Courses		
CGS SOC 101	Introduction to Sociology	3
CGS SOC 234	Sociology of Race and Ethnicity ES	3
Elective Courses - Student/Advisor Choice		
Choose 2 of the following courses:		6
CGS SOC 130	Contemporary Social Problems	
CGS SOC 160	Sociology of Human Sexuality	
CGS SOC 205	Global Social Problems	
CGS SOC 220	Sociology of Marriage and the Family	
CGS SOC 231	Crime and Criminal Justice	
CGS SOC 246	Juvenile Delinquency	
CGS SOC 250	People, Organizations, and Society	
CGS SOC 285	Sociology of Health and Illness	
CGS SOC 294	Practice in Applied Sociology	
CGS SOC 299	Independent Reading in Sociology	
CGS SOC 355	Sociology of the Environment	
Total Credits		12

Sustainability Emphasis

Code	Title	Credits
Required Courses		
Choose 1 of the following courses:		3
CGS BUS 101	Introduction to Business	
CGS BUS 243	Economic and Business Statistics	
CGS ECO 101	Intro to Economics	
CGS ECO 203	Economics - Macro	
CGS ECO 204	Economics - Micro	
CGS EGR 105	Engineering Fundamentals	
CGS ECO 243	Economic and Business Statistics	
CGS MAT 215	Elementary Statistical Analysis	

Choose 2 of the following courses: 7-10

CGS BIO 101	Concepts of Biology
CGS BIO 150	Foundations of Biological Sciences I
CGS CHE 125	Introductory Chemistry
CGS CHE 145	General Chemistry I
CGS GLG 101	Physical Geology
CGS GLG 135	Introduction to Environmental Geology
CGS GLG 169	Environmental Geology

Choose 2 of the following courses: 6-8

CGS BIO 191	Environmental Science
CGS BIO 310	General Ecology
CGS GEO 350	Environmental Conservation
CGS INT 290	Special Topics in Interdisciplinary Studies
CGS PHI 244	Environmental Ethics
CGS SOC 355	Sociology of the Environment

Total Credits 16-21

Theatre Arts Emphasis

Completion of the following courses will fulfill the requirements for this emphasis.

Code	Title	Credits
Required Courses		
CGS CTA 130	Introduction to Theatre	3
CGS CTA 131	Theatre Laboratory *	1
CGS CTA 131	Theatre Laboratory *	1
CGS CTA 131	Theatre Laboratory *	1
Elective Courses		
Choose 9 credits from the following: 9		
CGS CTA 131	Theatre Laboratory *	
CGS CTA 232	Introduction to Acting	
CGS CTA 150	Introduction to Film	
CGS CTA 294	Internship in Communication and Theatre Arts	
CGS CTA 298	Topics in Speech and Dramatic Arts	
CGS ENG 280	Introduction to Shakespeare	
CGS ART 101	Introduction to Drawing	
CGS ART 112	Three-Dimensional Design	
Total Credits		15

* A minimum of 3 credits of CGS CTA 131 is required. An additional 1 to 3 credits can be taken of CGS CTA 131 to count towards the emphasis.

Students should be aware that the Theatre Arts Emphasis will give them the basic knowledge and individualized experience to successfully prepare them for a major/minor in Theatre Arts, but they will be required to take additional lower division courses in Theatre when they transfer.

Writing Emphasis

Code	Title	Credits
Required Courses		
CGS ENG 201	Intermediate Composition	3
CGS ENG 203	Creative Writing I	3

CGS ENG/CGS BUS 210 Business Communication 3

Choose 1 of the following: 1-3

CGS ENG 202	Writing about Literature
CGS ENG 204	Creative Writing II
CGS ENG 291	Writing Tutor Seminar

Total Credits 10-12

Honors in the College of General Studies

Dean's Honor List

GPA of 3.750 or above, earned on a full-time student's GPA on 12 or more graded credits in a given semester.

Commencement Honors

Students with a cumulative GPA of 3.500 or above, based on a minimum of 20 graded UWM credits earned prior to the final semester, will receive all-university commencement honors and be awarded the traditional gold cord. Please note that for honors calculation, the GPA is **not** rounded and is truncated at the third decimal (e.g., 3.499).

Final Honors

Earned on a minimum of 30 graded UWM credits: Cum Laude - 3.500 or above; Magna Cum Laude - 3.650 or above; Summa Cum Laude - 3.800 or above.

Contact Information

Campus Websites:

<https://uwm.edu/waukesha/>
<https://uwm.edu/washington/>