



College of Letters & Science

## Course Recommendations for Bachelor of Science, **BIOLOGY** majors

### **Who can Use this Guide:**

- Students who took their first college class in September 2013 or later

If you took any college class before 09/2013, consult a UWM admissions counselor at [let-sci@uwm.edu](mailto:let-sci@uwm.edu).

### **Introduction**

Many students start at Madison College and continue their education at UWM. This guide outlines recommended course selections for Madison College students who intend to earn a Bachelor of Science (BS) at UWM with a Biology major.

Note: This guide does not replace the advice of an advisor who can provide personalized guidance based on your particular circumstances and background.

Students planning to complete the full Associate's degree at Madison College may be required to take additional classes that may or may not transfer to UWM. There may also be some UWM required courses that are not offered at Madison College and can only be taken at UWM.

### **UWM Admissions Requirements**

Madison College students seeking admission to a major that leads to a bachelor's degree in the College of Letters & Science will present the strongest application packet by meeting the following criteria:

- evidence of high school graduation (diploma or GED)
- a minimum cumulative GPA of 2.0 in all college classes
- completion of at least 12 credits of transferable college coursework

Students with a college cumulative GPA below a 2.0 who have not been enrolled in classes for at least 2 years, or who have extenuating circumstances, will also be considered for admission if additional information is presented that indicates potential for success.

Last Updated: September 2021

## Goal

While at Madison College, students can complete the following UWM requirements on a pathway towards a UWM BS in Biology:

- ✓ Arts Requirement (3 required credits can be completed at Madison College)
- ✓ English Requirement (Part A and Part B can be completed at Madison College)
- ✓ Math Requirement (Part A and Part B can be completed at Madison College)
- ✓ Formal Reasoning (can be completed at Madison College)
- ✓ Natural Science Requirement (all 12 required credits with three different labs can be completed at Madison College)
- ✓ Humanities Requirement (all 12 required credits can be completed at Madison College)
- ✓ Social Science Requirement (all 12 required credits can be completed at Madison College)
- ✓ Cultural Diversity Requirement (3 required credits can be completed at Madison College)
- ✓ International Requirement (9 required credits can be completed at Madison College with careful course selection)
- ✓ World Language Requirement (2 years of high school or 2 semesters of college)
- ✓ Biology major requirements (35 of the 60+ required credits can be completed at Madison College)

## Course Recommendations and Transferability:

### Arts (choose one)

Madison College			UWM will accept it as			Meets UWM BS Requirement
Course	Title	Cr.	Course	Title	Cr.	
805 207	World Music	3	MUSIC 310	Intro to World Musics	3	✓ Arts
805 277	Music Appreciation	3	MUSIC 100	Intro to Classical Music	3	✓ Arts
805 278	History of Pop/Rock Music	3	MUSIC 102	American Popular Music	3	✓ Arts
810 230	Intro to Theatre	3	THEATRE 100	Intro to the Theatre	3	✓ Arts
810 262	Acting 1	3	THEATRE 101	Acting for Non Majors	3	✓ Arts

### English (complete all)

Madison College			UWM will accept it as:			Meets UWM BS Requirement
Course	Title	Cr.	Course	Title	Cr.	
801 201	English 1	3	ENGLISH 101	Intro to College Writing	3	
801 202	English 2	3 (must earn a C or higher)	ENGLISH 102	College Writing and Research	3	✓ English Part A
801 197	Technical Reporting	3	ENGLISH 206	Technical Writing	3	✓ English Part B

### Math (complete all)

Madison College			UWM will accept it as:			Meets UWM BS Requirement
Course	Title	Cr.	Course	Title	Cr.	
804 212	College Algebra	3 (must earn a C or higher)	MATH 116	College Algebra	3	✓ Math Part A
804 228	Calculus w Algebra & Trigonometry 1	5	MATH 231	Calculus & Analytical Geometry I	5	✓ Math Part B, NS
804 240	Basic Statistics	4	MTH STAT 215	Elementary Statistical Analysis	4	✓ Formal Reasoning, NS

## World Language

The Bachelor of Science with a Biology major requires world language through the 2nd level. If you took two years of the same language in high school, you have satisfied the requirement and no further coursework is needed. If you did not take two years of a world language in high school, take either two semesters of French or Spanish.

Madison College			UWM will accept it as:			Meets UWM BS Requirement
Course	Title	Cr.	Course	Title	Cr.	
802 211	Spanish 1	4	SPANISH 103	First-semester Spanish	4	✓ World Language
802 212	Spanish 2	4	SPANISH 104	Second-semester Spanish	4	✓ World Language
802 221	French 1	4	FRENCH 103	First-semester French	4	✓ World Language
802 222	French 2	4	FRENCH 104	Second-semester French	4	✓ World Language

## Humanities/Cultural Diversity/International (Choose four but no more than two from the same subject area.)

Madison College			UWM will accept it as:			Meets UWM BS Requirement
Course	Title	Cr.	Course	Title	Cr.	
801 198	Speech	3	COMMUN 103	Public Speaking	3	✓ Humanities
801 204	Intro to Literature	3	ENGLISH	Elective	3	✓ Humanities
801 211	American Gay & Lesbian Literature	3	ENGLISH	Elective	3	✓ Humanities
801 212 Or 801 222	Ethnic Literature U.S. Latino Literature	3	ENGLISH 277	Intro to Ethnic and Minority Literature	3	✓ Humanities and Cultural Diversity
801 213	Native American Literature	3	ENGLISH 276	Intro to American Indian Literature	3	✓ Humanities and Cultural Diversity
801 214	African American Literature	3	AFRICAN 102	Survey of African American Literature	3	✓ Humanities and Cultural Diversity
801 215	British Literature 1	3	ENGLISH 221	English Writers to 1800	3	✓ Humanities
801 216	British Literature 2	3	ENGLISH 222	English Writers 1800 to Present	3	✓ Humanities
801 217	American Literature 1	3	ENGLISH 223	American Writers to 1900	3	✓ Humanities
801 218	American Literature 2	3	ENGLISH 224	American Writers 1900 to Present	3	✓ Humanities
801 221	Literature and Popular Culture	3	ENGLISH	Elective	3	✓ Humanities
801 250	Women in Literature	3	ENGLISH 243	Intro to Literature by Women	3	✓ Humanities
803 204	Renaissance, Reformation, Revolution	3	HIST 205	Europe: Italy and France	3	✓ Humanities and International
803 220	History of Western Civilization 1	3	HIST 101	Western Civilization: Ancient World-1500	3	✓ Humanities
809 166	Intro to Ethics	3	PHILOS 241	Introductory Ethics	3	✓ Humanities
809 255	Intro to LGBTQ+ Studies	3	LGBT 200	Intro to LGBT Studies	3	✓ Humanities
809 260	Intro Philosophy	3	PHILOS 101	Intro to Philosophy	3	✓ Humanities
809 262	Contemporary Moral Issues	3	PHILOS	Elective	3	✓ Humanities
809 263	East/West World Views	3	PHILOS	Elective	3	✓ Humanities
809 268	Intro to Social and Political Philosophy	3	PHILOS	Elective	3	✓ Humanities
810 250	Intro to Film	3	ENGLISH 290	Intro to Film Studies	3	✓ Humanities

810 254	History of World Cinema	3	ENGLISH	Elective	3	✓ Humanities
815 200	Art History: Ancient to Medieval	3	ART HIST 101	Ancient and Medieval Art and Architecture	3	✓ Humanities and International
815 210	Art History: Renaissance to Modern	3	ART HIST 102	Renaissance to Modern Art and Architecture	3	✓ Humanities and International

### Social Sciences/Cultural Diversity/International (Choose four but no more than two from the same subject area)

Madison College			UWM will accept it as:			Meets UWM BS Requirement
Course	Title	Cr.	Course	Title	Cr.	
102 104	Business Communication	3	COMMUN 105	Business and Professional Communication	3	✓ Social Science
801 251	Intro to Mass Communication	3	JAMS 101	Intro to Mass Media	3	✓ Social Science
803 205	Europe and the Modern World	3	HIST 206	Europe and the Modern World 1815-present	3	✓ Social Science and International
803 211	American History 1607-1855	3	HIST 151	American History 1607-1877	3	✓ Social Science
803 212	American History 1865-present	3	HIST 152	American History 1877-present	3	✓ Social Science
803 214	Native American History	3	HIST 262/263	Native American History	3	✓ Social Science and Cultural Diversity
803 224	History of Sub Saharan Africa	3	HIST	Elective	3	✓ Social Science
803 240	Afro-American History	3	AFRICAN	Elective	3	✓ Social Science and Cultural Diversity
809 172 Or 809 252	Intro to Diversity Studies Race and Ethnicity in the U.S.	3	SOCIOL 224	Race and Ethnicity in the U.S.	3	✓ Social Science and Cultural Diversity
809 195	Economics	3	ECON 100	Introductory Economics	3	✓ Social Science
809 202	Social Problems	3	SOCIOL 102	Solving Social Problems	3	✓ Social Science
809 203	Intro Sociology	3	SOCIOL 101	Intro to Sociology	3	✓ Social Science
809 204	Marriage and the Family	3	SOCIOL 260	Blood, Sex, Money & Power: Family Relations		✓ Social Science
809 207	Criminology	3	SOCIOL 241	Criminology	3	✓ Social Science
809 211	Macroeconomics	3	ECON 104	Principles of Macroeconomics	3	✓ Social Science
809 212	Microeconomics	3	ECON 103	Principles of Microeconomics	3	✓ Social Science
809 221	American National Government	3	POL SCI 104	Intro to American Government and Politics	3	✓ Social Science
809 222	State and Local Government	3	POL SCI	Elective	3	✓ Social Science
809 223	International Relations	3	POL SCI 175	Intro to International Relations	3	✓ Social Science and International
809 231	Intro Psychology	3	PSYCH 101	Intro to Psychology	3	✓ Social Science
809 233	Developmental Psychology	3	PSYCH 260	Child Psychology	3	✓ Social Science
809 242	Public Policy	3	POL SCI 210	American Public Policy	3	✓ Social Science
809 253	Sociology of Gender	3	SOCIOL 250	Sex and Gender	3	✓ Social Science
809 275	Sociology of Religion	3	SOCIOL 215	Religion and Society	3	✓ Social Science
809 280	General Anthropology	3	ANTHRO 101/102	Intro to Anthropology	3	✓ Social Science
809 281	Archaeology and Prehistoric World	3	ANTHRO 103	Approaches to Archaeology	3	✓ Social Science
809 283	Cultural Anthropology and Human Diversity	3	ANTHRO 104	Survey of World Societies	3	✓ Social Science and International
809 285	Anthropology of Myth, Magic and Religion	3	ANTHRO	Elective	3	✓ Social Science

## Natural Science and Biology Major

Madison College			UWM will accept it as:			Meets UWM BS Requirement
Course	Title	Cr.	Course	Title	Cr.	
806 209	College Chemistry I	5	CHEM 102	General Chemistry	5	✓ Natural Science + Lab and Major
806 212	College Chemistry II	5	CHEM 104	General Chemistry & Qualitative Analysis	5	✓ Natural Science + Lab and Major
806 221	University Physics I	5	PHYSICS 120/121	General Physics I	5	✓ Natural Science + Lab and Major
806 222	University Physics II	5	PHYSICS 122/123	General Physics II	5	✓ Natural Science + Lab and Major
806 271	Cellular and Molecular Biology	5	BIO SCI 150	Foundations of Biology I	5	✓ Natural Science + Lab and Major
806 272	Organismal Biology	5	BIO SCI 152	Foundations of Biology II	5	✓ Natural Science + Lab and Major

For questions about transferring to UWM for a Biology major, please contact an admissions counselor in the College of Letters & Science:

[Let-sci@uwm.edu](mailto:Let-sci@uwm.edu)