



College of Letters & Science

## Course Recommendations for Bachelor of Art in Actuarial Science

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

- Students who took their first college class in September 2013 or later
- Students who plan to transfer from UWM-Waukesha or UWM-Washington County to UWM-Milwaukee to complete a bachelor of arts (BA) degree in Actuarial Science

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

### **Introduction**

Many students choose to start at UWM-Waukesha or UWM-Washington County and continue their education later at UWM-Milwaukee. This guide outlines recommended course selections at the Waukesha or Washington Co. campuses for a student who intends to transfer to the Milwaukee campus to complete a bachelor's degree in Actuarial Science.

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

### **Goal**

While at Waukesha or Washington Co., students can complete (but are not required to complete) the following Milwaukee requirements on a pathway towards a BA in Actuarial Science. Any requirements not met while at Waukesha/Washington Co. can be completed at the Milwaukee campus.

- ✓ Arts Requirement (3 credits)
- ✓ Oral and Written Communication/English Requirement (9 credits)
- ✓ Natural Science Requirement (12 credits)
- ✓ Humanities Requirement (12 credits)
- ✓ Social Science Requirement (12 credits)
- ✓ Cultural Diversity Requirement (3 credits)
- ✓ International Requirement (9 credits)
- ✓ World Language Requirement (4 years of high school or 4 semesters of college)
- ✓ Quantitative Literacy/Math/Formal Reasoning/Actuarial science major (approx. 36 credits)

Last Updated: May 2021

## Course Recommendations:

### Arts (choose one)

Waukesha/Washington Co.			UWM-Milwaukee will accept it as			Meets UWM BA Requirement
Course	Title	Cr.	Course	Title	Cr.	
CGS MUS 170	Fundamentals of Music	3	MUSIC 101	Fundamentals of Music	3	✓ Arts
CGS MUS 173	Music Literacy and Appreciation	3	MUSIC 100	Intro to Classical Music	3	✓ Arts
CGS MUS 174	Music Literacy and Appreciation	3	MUSIC 100	Intro to Classical Music	3	✓ Arts
CGS MUS 273	Jazz History and Appreciation	3	MUSIC	Elective	3	✓ Arts/Cultural Diversity
CGS MUS 278	History of Rock and Roll	3	MUSIC	Elective	3	✓ Arts/Cultural Diversity
CGS CTA 130	Intro to Theater	3	THEATRE 100	Intro to Theater	3	✓ Arts
CGS CTA 232	Intro to Acting	3	THEATRE 101	Acting for non-Majors	3	✓ Arts
CGS ENG 203	Creative Writing I	3	ENGLISH 233	Creative Writing	3	✓ Arts

### English (complete all to satisfy Part A of the Oral and Written Communication requirement)

Waukesha/Washington Co.			UWM-Milwaukee will accept it as			Meets UWM BA Requirement
Course	Title	Cr.	Course	Title	Cr.	
CGS ENG 101	College Writing and Critical Reading	3	ENGLISH 101	Intro to College Writing	3	
CGS ENG 102	Critical Writing, Reading and Research (C or better required)	3	ENGLISH 102	College Writing and Research	3	✓ OWC Part A

### English (choose one to satisfy Part B of the Oral and Written Communication requirement)

Waukesha/Washington Co.			UWM-Milwaukee will accept it as			Meets UWM BA Requirement
Course	Title	Cr.	Course	Title	Cr.	
CGS BUS 210	Business Communication	3	ENGLISH 205	Business Writing	3	✓ OWC Part B
CGS ENG 201	Intermediate Composition	3	ENGLISH 201	Strategies for Academic Writing	3	✓ OWC Part B
CGS ENG 250	Intro to Literary Studies		ENGLISH 215	Intro to English Studies	3	✓ OWC Part B/Humanities

## World Language

The Bachelor of Arts with an Actuarial Science major requires world language through the 4<sup>th</sup> level. If you took four years of the same language in high school, you have satisfied the requirement and no further coursework is needed. If you did not take four years of a world language in high school, take the following classes.

Waukesha/Washington Co.			UWM-Milwaukee will accept it as			Meets UWM BA Requirement
Course	Title	Cr.	Course	Title	Cr.	
CGS SPA 101	First Semester Spanish	4	SPANISH 103	First Semester Spanish	4	World language
CGS SPA 102	Second Semester Spanish	4	SPANISH 104	Second Semester Spanish	4	World language
CGS SPA 201	Third Semester Spanish	3	SPANISH 203	Third Semester Spanish	3	World language/International
CGS SPA 202	Fourth Semester Spanish	3	SPANISH 204	Fourth Semester Spanish	4	World language/International

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

Waukesha/Washington Co.			UWM-Milwaukee will accept it as			Meets UWM BA Requirement
Course	Title	Cr.	Course	Title	Cr.	
CGS CTA 103	Intro to Public Speaking	3	COMMUN 103	Public Speaking	3	✓ Humanities
CGS CTA 218	Popular Culture in the Media	3	JAMS	Elective	3	✓ Humanities
CGS ENG 250	Intro to Literary Studies	3	ENGLISH 215	Intro to English Studies	3	✓ Humanities/OWC Part B
CGS ENG 251	African American Literature 1	3	ENGLISH 262	Intro to Drama	3	✓ Humanities
CGS ENG 253	Intro to the Short Story and Novel	3	ENGLISH	Elective	3	✓ Humanities
CGS ENG 261	British Writers	3	ENGLISH 222	English Writers 1800 to Present	3	✓ Humanities
CGS ENG 271	Children's Literature	3	ENGLISH	Elective	3	✓ Humanities
CGS ENG 272	American Literature	3	ENGLISH	Elective	3	✓ Humanities
CGS ENG 275	20 <sup>th</sup> Century Novels of the World	3	ENGLISH 278	Intro to World Literature	3	✓ Humanities/International
CGS ENG 277	Film Studies	3	ENGLISH	Elective	3	✓ Humanities
CGS ENG 278	Multicultural Literature in America	3	ENGLISH	Elective	3	✓ Humanities/Cultural Diversity
CGS ENG 279	Women Writers	3	ENGLISH 243	Intro to Literature by Women	3	✓ Humanities
CGS ENG 280	Intro to Shakespeare	3	ENGLISH	Elective	3	✓ Humanities
CGS ENG 282	African American Literature	3	ENGLISH 281	Intro to African American Literature	3	✓ Humanities/Cultural Diversity
CGS GSW 102	Women's Voices	3	WGS 201	Intro to Women's and Gender Studies – Humanities Perspective	3	✓ Humanities
CGS GSW 201	Intro to LGBTQ Studies	3	LGBT 200	Intro to Lesbian, Gay, Bisexual, and Transgender Studies	3	✓ Humanities
CGS GSW 204	Intro to Masculinities	3	WGS	Elective	3	✓ Humanities/Cultural Diversity
CGS HIS 161	World History to 1500	3	HIST 131	World History to 1500	3	✓ Humanities/International
CGS HIS 162	World History Since 1500	3	HIST 132	World History Since 1500	3	✓ Humanities/International
CGS INT 284	Understanding our Environment	3	L&S	Elective	3	✓ Humanities
CGS INT 285	Superheroes and Mythology	3	L&S	Elective	3	✓ Humanities
CGS PHI 101	Intro to Philosophy	3	PHILOS 101	Intro to Philosophy	3	✓ Humanities

CGS PHI 211	Elementary Logic	3	PHILOS 211	Elementary Logic	3	✓ Humanities
CGS PHI 220	Philosophy of Science	3	PHILOS 213	Intro to Philosophy of Science	3	✓ Humanities
CGS PHI 241	Ethics	3	PHILOS 241	Introductory Ethics	3	✓ Humanities
CGS PHI 242	Social and Political Philosophy	3	PHILOS 242	Intro to Social and Political Philosophy	3	✓ Humanities
CGS PHI 243	Business Ethics	3	PHILOS	Elective	3	✓ Humanities
CGS PHI 244	Environmental Ethics	3	PHILOS	Elective	3	✓ Humanities
CGS PHI 248	Biomedical Ethics	3	PHILOS 244	Ethical Issues in Healthcare	3	✓ Humanities
CGS PHI 258	Human Nature, Religion, and Society	3	PHILOS	Elective	3	✓ Humanities
CGS PHI 261	Philosophy of Religion	3	PHILOS 250	God, Faith, and Reason	3	✓ Humanities
CGS REL 101	Intro to the Study of Religion	3	RELIGST	Elective	3	✓ Humanities
CGS REL 276	Religion and the Environment	3	RELIGST	Elective	3	✓ Humanities

### Social Sciences/Cultural Diversity/International (Choose two)

Waukesha/Washington Co.			UWM-Milwaukee will accept it as:			Meets UWM BA Requirement
Course	Title	Cr.	Course	Title	Cr.	
CGS AIS	Intro to American Indian Studies	3	AIS 101	Intro to American Indian Studies	3	✓ Social Science/Cultural Diversity
CGS AIS 277	Indians in American History	3	AIS 262/263	North American Indian History	3	✓ Social Science/Cultural Diversity
CGS ANT 100	Intro to Anthropology	3	ANTHRO 101/102	Intro to Anthropology / Culture and Society & Human Origins	3	✓ Social Science
CGS ANT 102	Intro to Archaeology and Prehistory	3	ANTHRO 103	Approaches to Archaeology	3	✓ Social Science
CGS ANT 150	Food, Culture & Identity	3	ANTHRO	Elective	3	✓ Social Science/Cultural Diversity
CGS ANT 350	Intro to Medical Anthropology	3	ANTHRO	Elective	3	✓ Social Science
CGS CTA 101	Intro to Interpersonal Communication	3	COMMUN 101	Intro to Interpersonal Communication	3	✓ Social Science
CGS CTA 115	Intro to Business & Professional Communication	3	COMMUN 105	Business & Professional Communication	3	✓ Social Science
CGS CTA 201	Intro to Mass Communication	3	JAMS 101	Intro to Mass Media	3	✓ Social Science
CGS CTA 210	Intro to Intercultural Communication	3	COMMUN 350	Intercultural Communication	3	✓ Social Science/Cultural Diversity
CGS ECO 101	Intro to Economics	3	ECON 100	Introductory Economics	3	✓ Social Science
CGS GEO 102	Roots and Diversity	4	GEOG	Elective	3	✓ Social Science/Cultural Diversity
CGS GEO 101	Intro to Cultural Geography	3	GEOG	Elective	3	✓ Social Science
CGS GEO 110	World Regional Geography	3	GEOG 110	The World: Peoples and Regions	4	✓ Social Science/International
CGS GSW 101	Intro to Gender, Sexuality, and Women's Studies	3	WGS 200	Intro to Women's and Gender Studies – Social Science Perspective	3	✓ Social Science
CGS GSW 231	Sex, Power, and Public Policy	3	WGS	Elective	3	✓ Social Science
CGS HIS 101	History of the US from the Columbian Exchange to the Civil War	3	HIST 151	American History 1607 to 1877	3	✓ Social Science
CGS HIS 102	History of the US from the Civil War to Present	3	HIST 152	American History 1877 to Present	3	✓ Social Science
CGS HIS 127	The World in the Twentieth Century	3	HIST 210	20 <sup>th</sup> Century A Global History	3	✓ Social Science/International
CGS HIS 283	War and American Society	3	HIST	Elective	3	✓ Social Science

CGS HIS 290	History of Wisconsin	3	HIST	Elective	3	✓ Social Science
CGS INT 280	Culture Clashes and the Modern World	3	L&S	Elective	3	✓ Social Science
CGS INT 282	Rich Man, Poor Man	3	L&S	Elective	3	✓ Social Science
CGS POL 101	Intro to Politics	3	POL SCI 103	Intro to Political Science	3	✓ Social Science
CGS POL 104	American Government and Politics	3	POL SCI 104	American Government and Politics	3	✓ Social Science
CGS POL 120	Politics of Crime and Punishment	3	POL SCI	Elective	3	✓ Social Science
CGS POL 160	Comparative Politics	3	POL SCI 106	Politics of World's Nations	3	✓ Social Science/International
CGS POL 175	International Politics	3	POL SCI 175	Intro to International Relations	3	✓ Social Science/International
CGS POL 210	Civil Liberties	3	POL SCI	Elective	3	✓ Social Science
CGS POL 231	Sex, Power, and Public Policy	3	WGS	Elective	3	✓ Social Science
CGS POL 280	Terrorism	3	POL SCI	Elective	3	✓ Social Science
CGS PSY 202	Intro Psychology	3	PSYCH 101	Intro to Psychology	3	✓ Social Science
CGS PSY 360	Psychology of Childhood and Adolescence	3	PSYCH 260	Child Psychology	3	✓ Social Science
CGS SOC 101	Intro to Sociology	3	SOCIOL 101	Intro to Sociology	3	✓ Social Science
CGS SOC 160	Sociology of Human Sexuality	3	SOCIOL 255	Sociology of Sexuality	3	✓ Social Science
CGS SOC 205	Global Social Problems	3	SOCIOL	Elective	3	✓ Social Science
CGS SOC 234	Sociology of Race & Ethnicity	3	SOCIOL 224	Race and Ethnicity in the US	3	✓ Social Science/Cultural Diversity
CGS SOC 246	Juvenile Delinquency	3	SOCIOL 246	Juvenile Delinquency	3	✓ Social Science
CGS SOC 275	Religion, Spirit and Secularism	3	SOCIOL	Elective	3	✓ Social Science

### Natural Science (Choose 8 to 9 credits with at least one lab)

MATC			UWM will accept it as:			Meets UWM BA Requirement
Course	Title	Cr.	Course	Title	Cr.	
CGS ANT 105	Intro to Biological Anthropology (3 cr.)	3	ANTHRO	Elective	3	✓ Natural Science
CGS ANT 105	Intro to Biological Anthropology (4 cr.)	4	ANTHRO 301	Human Evolution and Variation	4	✓ Natural Science + Lab
CGS AST 105	The Solar System	3	ASTRON 103	Survey of Astronomy	3	✓ Natural Science
CGS AST 101	Observational Astronomy	1	ASTRON 104	Astronomy Lab	1	✓ Natural Science Lab
CGS BIO 101	Concepts of Biology	5	BIO SCI 102	Elements of Biology	5	✓ Natural Science + Lab
CGS BIO 104	Plants in Today's World	3	BIO SCI 104	Plants in Today's World	3	✓ Natural Science + Lab
CGS BIO 150	Foundations of Biological Sciences I	5	BIO SCI 150	Foundations of Biological Sciences I	5	✓ Natural Science + Lab
CGS BIO 152	Foundations of Biological Sciences II	5	BIO SCI 152	Foundations of Biological Sciences II	5	✓ Natural Science + Lab
CGS BIO 180	Intro to Human Biology	3	BIO SCI	Elective	3	✓ Natural Science
CGS BIO 190	Intro to Environmental Science	3	CES 210	Intro to Conservation & Environmental Science	3	✓ Natural Science
CGS BIO 191	Environmental Science with Lab	4	CES 210	Intro to Conservation & Environmental Science	4	✓ Natural Science + Lab
CGS BIO 202	Anatomy and Physiology 1	4	BIO SCI 202	Anatomy and Physiology I	4	✓ Natural Science + Lab
CGS BIO 203	Anatomy and Physiology 2	4	BIO SCI 203	Anatomy and Physiology II	4	✓ Natural Science + Lab

CGS BIO 251	General Survey of Microbiology	5	BIO SCI 101	General Survey of Microbiology	5	✓ Natural Science + Lab
CGS CHE 112	Foundations of Chemistry	2	CHEM 100	Chemical Science	2	✓ Natural Science
CGS CHE 125	Introductory Chemistry	5	CHEM 101	Chemical Science	5	✓ Natural Science + Lab
CGS CHE 145	General Chemistry I	5	CHEM 102	General Chemistry	5	✓ Natural Science + Lab
CGS CHE 155	General Chemistry II	5	CHEM 104	General Chemistry & Qualitative Analysis	5	✓ Natural Science + Lab
CGS CHE 204	Applied Survey of Biochemistry	5	CHEM 103	Survey of Biochemistry	5	✓ Natural Science + Lab
CGS GEO 123	Physical Geography: Weather and Climate	5	GEOG	Elective	5	✓ Natural Science + Lab
CGS GEO 124	Physical Geography: Landforms	5	GEOG	Elective	5	✓ Natural Science + Lab
CGS GEO 170	Disasters: Living on the Edge	3	GEOG	Elective	3	✓ Natural Science
CGS GLG 100	Intro to Geology	3	GEO SCI	Elective	3	✓ Natural Science
CGS GLG 101	Physical Geology	4	GEO SCI 100	Intro to the Earth	3	✓ Natural Science + Lab
CGS GLG 102	Historical Geology	4	GEO SCI 102	Principles of Historical Geology	4	✓ Natural Science + Lab
CGS GLG 135	Intro to Environmental Geology	3	GEO SCI	Elective	3	✓ Natural Science
CGS GLG 169	Environmental Geology	4	GEO SCI 106	The Earth Environment	4	✓ Natural Science
CGS INT 283	Local Applications of Global Sustainability	3	L&S	Elective	3	✓ Natural Science
CGS PHY 107	Physics in Everyday Life	3	PHYSICS 107	Physics in Everyday Life	3	✓ Natural Science
CGS PHY 108	Lab for Physics in Everyday Life	1	PHYSICS 108	Lab for Physics in Everyday Life	1	✓ Natural Science Lab
CGS PHY 120/121	General Physics I Non-Calculus	5	PHYSICS 120/121	General Physics I Non-Calculus	5	✓ Natural Science + Lab
CGS PHY 122/123	General Physics II Non-Calculus	5	PHYSICS 122/123	General Physics II Non-Calculus	5	✓ Natural Science + Lab
CGS PSY 254	Behavioral Neuroscience	3	PSYCH 254	Physiological Psychology	3	✓ Natural Science

## Actuarial Science major

Waukesha/Washington Co.			UWM-Milwaukee will accept it as			Meets UWM BA Requirement
Course	Title	Cr.	Course	Title	Cr.	
CGS MAT 105 or CGS MAT 115	Intro to College Algebra or Precalculus (C or better required in either class)	3 or 4	MATH 105 or MATH 115	Intro to College Algebra or Precalculus	3 or 4	✓ QL Part A
CGS MAT 221	Calculus and Analytical Geometry I	5	MATH 231	Calculus and Analytical Geometry I	4	✓ QL Part B and formal reasoning and natural science
CGS MAT 222	Calculus and Analytical Geometry II	5	MATH 232	Calculus and Analytical Geometry II	4	
CGS MAT 223	Calculus and Analytical Geometry III	4	MATH 233	Calculus and Analytical Geometry III	4	
CGS MAT 234	Linear Algebra and Differential Equations	4	MATH 234	Linear Algebra and Differential Equations	4	
CGS ECO 203	Macroeconomics	3	ECON 104	Principles of Macroeconomics	3	✓ Social Science
CGS ECO 204	Microeconomics	3	ECON 103	Principles of Microeconomics	3	✓ Social Science
CGS BUS 201	Intro Accounting	4	BUS ADM 201	Intro to Financial Accounting	4	
CGS CPS 245	Comp Sci I	4	COMPSCI 250	Intro to Computer Programming	3	
CGS CPS 255	Comp Sci II	3	COMPSCI 251	Intermediate Computer Programming	3	

For questions about transferring to UWM for an Actuarial Science major, please contact an admissions counselor in the College of Letters & Science: [Let-sci@uwm.edu](mailto:Let-sci@uwm.edu)