

UW-College to UW-Green Bay Transfer Guide

MATHEMATICS MAJOR



Applying to UWGB:

Due to enrollment limits established for UW-Green Bay, students are **strongly encouraged to make early application**. Apply online at: apply.wisconsin.edu. Applications for admission may be submitted beginning September 1 for the following summer or fall (August 1 for spring semester).

Applying to the Major:

There is no formal application process for the Mathematics major or minor. Students majoring in Mathematics are required to complete an Interdisciplinary minor. See Undergraduate Catalog for more information.

Filing an academic plan for the major/minor:

All students are required to officially file the "Declaration of Degree Form" by the time 45 credits are earned. New transfer students entering UWGB with 45 or more credits (determined by number of credits awarded through credit evaluation) are required to file the plan during the first semester of enrollment at UWGB. **Contact a UWGB advisor for more information.**

Non-Course Requirements for Admission to Major

None

Course Requirements for Admission

None

This transfer guide is advisory in nature and subject to change.

You should always consult with an academic advisor for the most accurate information.

Course Requirements for Admission to Major not in UW College Curriculum

None

MAJOR COURSES AVAILABLE AT UW COLLEGES

<http://www.uwgb.edu/mathematics/>

UW-Green Bay	UW-Colleges
Mathematics Emphasis	
SUPPORTING COURSES:	
MATH 202	MAT 221
MATH 203	MAT 222
MATH 209	MAT 223 OR MAT 234
MATH 260	MAT 117 OR MAT 240
UPPER-LEVEL COURSES:	
MATH 305	MAT 271
MATH 320	MAT 262

Statistics Emphasis	
SUPPORTING COURSES:	
MATH 202	MAT 221
MATH 203	MAT 222
MATH 209	MAT 223 OR MAT 234
MATH 260	MAT 117 OR MAT 240

GENERAL EDUCATION PROGRAM

- UW College Associate (AAS) Degree satisfies all General Education Requirements
- General Education Requirements below apply to all UWGB majors
- UWGB will honor the General Education designations of the UW Colleges. If a course is not being used appropriately, please contact Advising at 920 465-5105.
- A course may only be used to satisfy ONE requirement –e.g. CTA 150 will apply to either Fine Arts or Humanities, not both.

Math/English Competency Requirements

UW-Green Bay	UW-Colleges
ENGLISH COMPETENCY	
ENG COMP 100 OR ACT English Score of 25-31	ENG 101
MATHEMATICS COMPETENCY	
MATH 094 OR WMPT placement of Math 101 or higher	MAT 091

FIRST YEAR SEMINAR: 3 CREDITS

This class provides an “on ramp” to the university and its interdisciplinary mission. It is a content-based class that incorporates communication skills (written and oral) as part of the learning pedagogy. While the content of these courses will vary, they must all address at an introductory level:

- Interdisciplinarity
- Communication
- Information Literacy

A first year seminar is not required for a student who transfers to UWGB with 15 or more credits, we will use three credits of other transfer Liberal Arts courses to satisfy this requirement.

CAPSTONE EXPERIENCE: 3 CREDITS

This could be either a classroom seminar experience or another integrative/culminating experience such as an internship/field experience/honors project that again addresses the campus' interdisciplinary perspective and also has a problem focus. By its very nature, the experience will also have an important communication element.

The Capstone experience will be completed at UWGB.

Breadth Requirements (24 credits)

FINE ARTS REQUIREMENT: 3 CREDITS

Must complete a minimum of 3 credits by taking one or more courses of the following:

Learning Outcomes:

- Demonstrate technical skills and knowledge necessary to create or perform artistic functions, or understand the historical and cultural sources of an art form
- Develop historical, stylistic and cultural and aesthetic knowledge necessary to create art or performance in diverse styles within the genre of the course or demonstrate knowledge of terminology and techniques used in an art form to be conversant about such issues.
- Synthesize skills and contextual knowledge in performance/creation of artistic works and knowledge of societal influences on art, or demonstrate knowledge of art as an agent of cultural expression and societal change and to use appropriate methods to evaluate quality of an art form.

UW COLLEGES COURSES THAT WILL SATISFY THE FINE ARTS REQUIREMENT:

ART – any course

CTA 130

CTA 131

CTA 150

CTA 232

CTA 234

CTA 349

MUS – any course

HUMANITIES REQUIREMENT: 6 CREDITS

Must complete 6 credits; 2 courses with DIFFERENT prefixes

Learning Outcomes:

- Describe the humanities unique ways of understanding major events and movements in Western and world civilization.
- Critically examine a range of literacy, philosophical, and other cultural texts produced by those movements.
- Articulate individual and social values within the culture and the implications of decisions made on the basis of those values.
- Analyze and produce complex forms of expression.

UW COLLEGES COURSES THAT WILL SATISFY THE HUMANITIES REQUIREMENT:

AIS 242, AIS 314, BUS 242, CHI 101, CHI 105, CHI 201, CHI 205, CHI 235, CTA 150, CTA 218, EDU 283, ENG 203, ENG 204, ENG 205, ENG 242, ENG 250, ENG 251, ENG 253, ENG 255, ENG 260, ENG 261, ENG 262, ENG 263, ENG 264, ENG 265, ENG 266, ENG 267, ENG 268, ENG 269, ENG 270, ENG 271, ENG 272, ENG 273, ENG 275, ENG 276, ENG 277, ENG 278, ENG 279, ENG 280, ENG 281, ENG 282, ENG 283, ENG 284, ENG 285, ENG 286, ENG 287, ENG 288, ENG 305, ENG 373, ENG 381, ENG 391, FRE 101, FRE 103, FRE 104, FRE 105, FRE 106, FRE 107, FRE 201, FRE 203, FRE 204, FRE 205, FRE 206, FRE 207, FRE 226, FRE 276, FRE 277, GER 101, GER 105, GER 201, GER 205, GER 225, GER 226, GER 276, HIS 101, HIST 102, HIS 105, HIS 106, HIS 111, HIS 112, HIS 119, HIS 120, HIS 127, HIS 161, HIS 162, HIS 204, HIS 208, HIS 210, HIS 211, HIS 213, HIS 214, HIS 215, HIS 216, HIS 218, HIS 219, HIS 221, HIS 222, HIS 223, HIS 224, HIS 226, HIS 240, HIS 250, HIS 253, HIS 254, HIS 257, HIS 258, HIS 260, HIS 261, HIS 262, HIS 270, HIS 271, HIS 272, HIS 273, HIS 275, HIS 277, HIS 278, HIS 279, HIS 280, HIS 283, HIS 285, HIS 286, HIS 288, HIS 289, HIS 290, HIS 293, HIS 297, HIS 304, HIS 391, PHI 101, PHI 201, PHI 202, PHI 203, PHI 205, PHI 210, PHI 215, PHI 220, PHI 226, PHI 233, PHI 237, PHI 240, PHI 241, PHI 242, PHI 243, PHI 248, PHI 250, PHI 253, PHI 258, PHI 259, PHI 261, PHI 262, PHI 310, PHI 348, REL 101, REL 201, REL 203, REL 218, REL 258, REL 261, REL 275, REL 302, REL 343, SPA 101, SPA 105, SPA 201, SPA 205, SPA 221, SPA 222, SPA 226, SPA 237, SPA 247, WOM 203, WOM 205, WOM 247, WOM 279,

SOCIAL SCIENCES REQUIREMENT: 6 CREDITS

Must complete 6 credits; 2 courses with DIFFERENT prefixes

Learning Outcomes:

- Explain how social scientists practice critical thinking
- Demonstrate the ability to address problems using tools and methods exemplary of the social science
- Demonstrate an understanding of appropriate content in two different social sciences

UW COLLEGES COURSES THAT WILL SATISFY THE SOCIAL SCIENCES REQUIREMENT:

AIS 101, AIS 227, AIS 302, AIS 308, AIS 314, AIS 353, ANT 100, ANT 102, ANT 150, ANT 204, ANT 220, ANT 250, ANT 302, ANT 304, ANT 308, ANT 314, ANT 324, ANT 343, ANT 348, ANT 350, ANT 353, BUS 101, BUS 244, BUS 270, CTA 160, CTA 201, CTA 210, CTA 225, CTA 266, ECO 101, ECO 203, ECO 204, ECO 230, ECO 250, ECO 342, EDU 220, EDU 265, EDU 300, GEO 101, GEO 102, GEO 110, GEO 200, GEO 277, POL 101, POL 104, POL 120, POL 160, POL 175, POL 193, POL 201, POL 210, POL 215, POL 218, POL 219, POL 225, POL 231, POL 235, POL 250, POL 280, POL 285, PSY 201, SOC 101, SOC 125, SOC 130, SOC 160, SOC 205, SOC 210, SOC 220, SOC 231, SOC 234, SOC 238, SOC 246, SOC 249, SOC 250, SOC 270, SOC 275, SOC 285, WOM 101, WOM 102, WOM 201, WOM 205, WOM 208, WOM 210, WOM 218, WOM 225, WOM 231, WOM 238, WOM 260, WOM 270, WOM 280.

BIOLOGICAL SCIENCES: 3 CREDITS

Complete one course.

Learning Outcomes:

- Explain central principles and theories of biological sciences
- Describe the inquiry process through which the sciences approach the development of understanding of the physical world.

UW COLLEGES COURSES THAT WILL SATISFY BIOLOGICAL SCIENCES REQUIREMENT:

ANT 105, ANT 303, BIO 101, BIO 141, BIO 161, BIO 162, BIO 163, BIO 171, BIO 180, BIO 182, BIO 184, BIO 186, BIO 196, BIO 211, BIO 240, BIO 260, BIO 277, BIO 280, BIO 281, BIO 282, BIO 285, BIO 286, PSY 254

NATURAL SCIENCES: 3 CREDITS

Complete one course.

Learning Outcomes:

- Explain central principles and theories of physical sciences
- Describe the inquiry process through which the sciences approach the development of understanding of the physical world.

UW COLLEGES COURSES THAT WILL SATISFY THE NATURAL AND PHYSICAL SCIENCES REQUIREMENT:

AST 100, AST 101, AST 105, AST 106, AST 200, BIO 190, BIO 191, BIO 201, BIO 291, CHE 121, CHE 123, CHE 124, CHE 125, CHE 145, CHE 155, CHE 165, CHE 203, CHE 204, CHE 214, CH3 250, CHE 343, CHE 351, CHE 352, CHE 361, CHE 363, GEO 104, GEO 106, GEO 120, GEO 123, GEO 124, GEO 125, GEO 130, GLG 100, GLG 101, GLG 102, GLG 104, GLG 107, GLG 135, GLG 169, GLG 170, GLG 180, GLG 251, GLG 309, GLG 343, MLG 100, PHY 107, PHY 110, PHY 120, PHY 141, PHY 201, PHY 205.

Perspectives Requirement: 9 credits

ETHNIC STUDIES: 3 CREDITS

Learning Outcomes:

Within the context of the United States:

- Identify ethnic, racial, and cultural contrasts and similarities.
- Describe ethnic/racial relations from multiple perspectives.
- Articulate causes and effects of stereotyping and racism.

UW COLLEGES COURSES THAT WILL SATISFY THE ETHNIC STUDIES REQUIREMENT:

AIS – any course, ANT 150, ANT 302, ANT 308, ANT 314, ANT 350, ANT 353, COM 210, EDU 220, ENG 242, ENG 278, ENG 282, GEO 102, HIS 210, HIS 211, HIS 262, HIS 277, HIS 278, HIS 280, MUS 273, MUS 278, PHI 203, PHI 259, POL 235, PSY 270, REL 203, SOC 210, SOC 234, SPA 237, WOM 203, WOM 218, WOM 247.

GLOBAL STUDIES: 3 CREDITS

Learning Outcomes:

- Demonstrate an understanding of individual and cultural differences outside the United States.
- Explore issues that cross geographic, political, economic and/or socio-cultural boundaries outside the United States
- Engage in informed judgments about global issues and problems as a socially responsible citizen

UW COLLEGES COURSES THAT WILL SATISFY THE GLOBAL STUDIES REQUIREMENT:

ANT 204, ANT 304, CHI 205, CH1 235, FRE 205, FRE 206 & 207, FRE 225, FRE 276, FRE 277, GEO 385, GER 205, GER 206 & 207, GER 225, GER 226, GER 276, GER 277, HIS 222, HIS 253, HIS 275, PHI 201, POL 175, SOC 205,

SUSTAINABILITY: 3 CREDITS

Learning Outcomes:

- Think critically regarding the array and implications of alternative sustainability definitions;
- Discuss sustainability within the context of ethical decision-making on earth
- Describe why actions to achieve sustainability are complex and contentious;
- Express how failure to achieve sustainability has implications for human survival and planetary life quality over time.
- Engage in informed judgments about sustainability and problems as socially responsible citizens.

UW COLLEGES COURSES THAT WILL SATISFY THE SUSTAINABILITY REQUIREMENT:

ANT 320, BIO 184, BIO 186, BIO 190, BIO 191, ECO 342, GEO 130, GEO 170, GEO 277, GEO 300, GEO 350, GEO 385, GLG 135, GLG 169, GLG 170, PHI 237, PHY 115, SOC 205.

Quantitative Competency

QUANTITATIVE COMPETENCY: 3 CREDITS

Learning Outcomes:

- Demonstrate competence in performing quantitative operations.
- Communicate and validate quantitative information based on various contexts
- Apply analytical concepts and operations to aid in problem-solving, decision-making, and other real-world problems.
- Interpret models such as formulas, graphs, tables, or schematics, and draw inferences from them.

UW COLLEGES COURSES THAT WILL SATISFY THE QUANTITATIVE COMPETENCY REQUIREMENT:

BUS 201, CHE 145, ECO 204, ECO 243, MAT 221, MAT 222, PHI 210, PHY 107, PHY 201 CTA 234.

WRITING EMPHASIS REQUIREMENT

All students must complete four writing emphasis courses. At least two of these courses must be at the upper level. Courses taken to fulfill the Writing Emphasis may also be used, simultaneously, to fulfill any other requirements, including general education breadth requirements, major and minor requirements. A UW Colleges Associate degree fulfills two lower level writing emphasis courses.

CONTACT INFORMATION

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