BUSINESS: ACTUARIAL SCIENCE, BBA

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin–Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (http://guide.wisc.edu/undergraduate/#requirementsforundergraduatestudytext) section of the Guide.

General Education
• Breadth—Humanities/Literature/Arts: 6 credits
• Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
• Breadth—Social Studies: 3 credits
• Communication Part A Part B *
• Ethnic Studies *
• Quantitative Reasoning Part A Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

SCHOOL OF BUSINESS REQUIREMENTS

The Wisconsin Bachelor of Business Administration (BBA) program combines UW–Madison’s general liberal education requirements, broad coverage of core business disciplines, and cutting-edge signature courses to create a strong academic foundation upon which students delve deeply into their majors.

Code Title Credits
ACT SCI 300 Probability for Actuaries 1
ACT SCI 303 Theory of Interest 3
ACT SCI 640 Actuarial Statistics for Risk Modeling 4
ACT SCI 650 Fundamentals of Long-Term Actuarial Modeling 3
ACT SCI 652 Fundamentals of Short-Term Actuarial Modeling 3
ACT SCI 651 Advanced Long-Term Actuarial Modeling 3
or ACT SCI 653 Advanced Short-Term Actuarial Modeling
ACT SCI 654 Regression and Time Series for Actuaries 1 3
or ACT SCI 655 Health Analytics
or ACT SCI 657 Risk Analytics
or GEN BUS 656 Machine Learning for Business Analytics

Total Credits 20

RECOMMENDED ELECTIVES

Code Title Credits
MATH 234 Calculus—Functions of Several Variables 4
MATH 340 Elementary Matrix and Linear Algebra 3
R M I 300 Principles of Risk Management 3
FINANCE/ ECON 320 Investment Theory 3
COMP SCI 220 Data Science Programming I 1 4
STAT 303 R for Statistics I 3
& STAT 304 and R for Statistics II
& STAT 305 and R for Statistics III

1 Recommended to take either COMP SCI 220 or the STAT 303, STAT 304, STAT 305 sequence.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree To receive a bachelor’s degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency
Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work
Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.