CEDARVILLE UNIVERSITY

B.S. in Mathematics/M.B.A. | Suggested 5-Year Accelerated Pathway

First Year

BTGE-1725 The Bible and the Gospel (3)
COM-1100 Fundamentals of Speech (3)
CS-1210 C++ Programming (2)
ENG-1400 Composition (3)
HUM-1400 Introduction to the Humanities (3)
MATH-1710 Calculus I (5)
MATH-1720 Calculus II (5)
MATH-1990 Beautiful Math Structures and Thinking (3)
MATH-2800 LaTeX for Technical Documents (1)
PEF-1990 Physical Activity and the Christian Life (2)
Total Credit Hours: 30

Second Year

BTGE-2730 Old Testament Literature (3)
BTGE-2740 New Testament Literature (3)
GSS-1100 Politics and American Culture (3)
MATH-2210 Logic and Methods of Proof (3)
MATH-2710 Calculus III (3)
MATH-2740 Differential Equations (3)
MATH-3800 Research Methods in Mathematics (1)
PHYS-2110 General Physics I (4)
PHYS-2120 General Physics II (4)
LIT-2XXX Literature Elective (3)
Humanities/Global Awareness Elective (3)
Total Credit Hours: 33

Third Year

ACCT-2110 Principles of Accounting I (3)
ACCT-2120 Principles of Accounting II (3)
BTGE-3755 Theology I (3)
BTGE-3765 Theology II (3)
GBIO-1000 Principles of Biology (3.5)
MATH-3610 Linear Algebra (3)
MATH-4610 Abstract Algebra I (3)
MATH-4710 Real Variables I (3)
PHYS-2130 General Physics III (2)
Mathematics Electives (6)
Total Credit Hours: 32.5

Fourth Year

ECON-2110 Essentials of Economics* (3)
MATH-3110 Probability & Statistics I** (3)
MATH-4800 Capstone Experience in Mathematics (3)
History Elective (3)
Mathematics Electives (12)
Electives (3)
MGMT-6710 Organizational Design and Behavior (3)
M.B.A. Core or Elective*** (3)
Total Credit Hours: 33

Fifth Year

ACCT-6300 Accounting for Business Executives (3)
ECON-6400 Managerial Economics (3)
FIN-6500 Executive Financial Management (3)
ITM-6800 IT for Comp Advantage (3)
MRKT-6200 Strategic Marketing Planning (3)

Legal/Ethics Course† (3)
Quantitative Course† (3)
Capstone Course† (3)
Electives (6)
Total Credit Hours: 30

This 5-year accelerated pathway assumes prior completion of undergraduate proficiency requirements.

*ECON-2110 satisfies the social science elective for the B.S. general eduation requirements and satisfies the M.B.A. microeconomics prerequisite.

**MATH-3110 satisfies a mathematics elective for the B.S. degree requirements and satisfies the M.B.A. business statistics prerequisite.

***Contact the M.B.A. graduate advisor during your B.S. studies to identify the M.B.A. core or elective course that will satisfy the M.B.A. generalist/concentration pathway you plan to complete.

†The M.B.A. course you select depends on the M.B.A. generalist/concentration pathway you plan to complete.

Required prerequisite course for the M.B.A. program	M.B.A. course