



Segment One - General Education Requirements

60 Credit Hours - Each course is 6 credit hours

The general education requirements provide a broad foundation in the basic academic disciplines and offer students the opportunity to explore the breadth of the liberal arts and sciences. The following courses offered by Madison University meet the general education requirements for undergraduate students:

Course Number	Course Title
BIOL – EEC 101	Biology
COMM – EEC 101	Introduction to Communication
ENGL – EEC 101	English Composition I
ENGL – EEC 102	English Composition II
GEO – EEC 101	Introduction to Geography
HIS – EEC 101	Introduction to American History
HIS – EEC 102	Introduction to World History
MATH – EEC 101	Basic Principle of Mathematics
PHIL – EEC 101	Introduction to Philosophy
SOC – EEC 101	Introduction to Sociology

Segment Two - Concentration Requirements

60 Credit Hours - Each course is 6 credit hours

BADM 30201 Business Law
An introductory course covering law and society with the emphasis on contracts, sales, agency, property, negotiable instruments and business organizations.
Textbook: Business Law, 10th edition
ISBN#: 0-256-19716-4
BMGT 30101 Business Management
An introduction to basic concepts of management, analytical techniques and organization theory. A functional approach to management, including cases and managerial excellence.
Textbook: Management Fundamentals: Concepts, Applications, Skill Development
ISBN#: 0-324-01337-X
PHYS 30101 General Physics
A study of the fundamentals of mechanics, heat and sound for students in the biological sciences, industrial technology, and other areas where a knowledge of calculus is not required.
Textbook: Fundamentals of Physics, 6th edition
ISBN#: 0-471-32000-5
PHYS 30201 Thermodynamics
This course examines the foundation of engineer thermodynamics, concentrating on applications in energy-producing and consuming systems.
Textbook: Engineering Thermodynamics, Reprint
ISBN#: 0-07-050707-4



MATH 30103 Introduction to Statistics	
A course designed to present the principles and fundamentals of modern statistics, including basic elements of descriptive inferential statistics underlying statistical methodology.	
Textbook: Elementary Statistics, 4th edition	
ISBN#: 007-240844-8	
MATH 30301 Differential Equations	
This course gives a comprehensive view of the topic of differential equations. It covers first-order equations, homogeneous and non-homogeneous linear equations, systems of differentials, LaPlace transforms, power series, numerical analysis and partial differentials.	
Textbook: Fundamentals of Differential Equations, 5th edition	
ISBN#: 0-2013-3868-8	
ENGR 30211 Mechanics/Strengths of Materials	
This course teaches the fundamental concepts of mechanics of materials with an emphasis on practical applications.	
Textbook: Statics and Strength of Materials, 4th edition	
ISBN#: 0-07-004023-0	
ENGR 30202 Introduction to Dynamics	
This course provides an overview of the subject of dynamics, including kinematics, mass distribution, motion and more.	
Textbook: Engineering Mechanics: Dynamics, 9th edition	
ISBN#: 0-130-20004-2	
BS 400 Bachelor's Final	
The Bachelor's Final Paper or Project.	