



Tennessee Wesleyan
UNIVERSITY

Dual Enrollment On-Campus Course Offerings 2023-2024 Description Guide

Course Code	Course Title	Credit Hours	Term Offered	Course Description
BIO 120	Human Biology	3	Spring 2024 T/TH 2:30-3:45	This course will examine the normal processes and interactions that occur within human biology beginning with a basic understanding of life and the scientific method and progress to chemical, cellular, and tissue levels before moving to organ systems and a larger view of how humans fit into the world ecologically. The study will consider the relationship between form and function as well as homeostasis.
BIO 140	Anatomy and Physiology I	4	Fall 2023 T/TH 8:25-9:15	An introduction to the structure and functions of the mammalian body; includes discussions of general and biochemistry; cell biology; histology; and studies of the skeletal, muscular and nervous systems. Two hours of lecture per week. Corequisite: BIO 141
BIO 141	Anatomy and Physiology I Lab	0	Fall 2023 T/TH 1-2:20 T/TH 3:30-3:50	Laboratory study of histology and the anatomy of the mammalian skeletal, muscular, and nervous systems. Two 1.5-hour laboratories per week. Corequisite: BIO 140.
BIO 142	Anatomy and Physiology II	4	Spring 2024 T/TH 8-9:15	A continuation of BIO 141. The autonomic nervous, endocrine, reproductive, cardiovascular, respiratory, excretory, and digestive systems of the mammalian body are studied. Three hours of lecture per week. Prerequisite: BIO 140;
BIO 143	Anatomy and Physiology II Lab	0	Spring 2024 T-12:30-2:20 T-2:30-4:20	Laboratory study of the integumentary, endocrine, reproductive, cardiovascular, respiratory, excretory, and digestive systems of the mammalian body. One 2-hour laboratory per week. Corequisite: BIO 142
BIO 180	General Biology I: The Unity of Life	4	Fall 2023 MWF 9-9:50	A study of cell structure and function common to life, emphasizing cell chemistry, energy transformations, reproduction, genetic mechanisms, and life's origins. Three lectures per week. Corequisite: BIO 181.
BIO 181	General Biology I Lab	0	Fall 2023 TH 12:30-2:20 TH 2:30-4:20	Laboratory studies of cell structure and functions common to life. One 2-hour laboratory per week. Corequisite: BIO 180.

BIO 182	General Biology II: The Diversity of Life	4	Spring 2024 MWF 9-9:50	A study of the diverse life forms including protistans, fungi, plants, and animals; how these organisms interact; and the environment in which these organisms evolved and live. Three lectures per week. Prerequisite: BIO 180
BIO 183	General Biology II Lab	0	Spring 2024 TH 12:30- 2:20 TH 2:30-3:45	Laboratory study of diverse forms of life. One 2-hour laboratory per week. Corequisite: BIO 182.
CJS 211	Introduction to Criminal Justice	3	Fall 2023 MWF 8-8:50 Spring 2024 8-8:50	A comprehensive examination of the criminal justice system including law enforcement, courts, and corrections; analysis of the problems and needs of the agencies involved in the criminal justice process, a survey of professional career opportunities.
ENG 101	Composition I	3	Fall 2023 MWF 8-8:50 MWF 9-9:50 T/TH 1:00- 2:15	This course involves the reading of essays from disciplines across the curriculum and emphasizes the writing process. Students write papers in various rhetorical modes. A documented paper is required
ENG 102	Composition II	3	Spring 2024 MWF 9-9:50 T/TH 1:00- 2:15	Continuation of ENG 101 and an introduction to writing about literature: fiction, drama, and poetry. Research techniques are introduced, and the completion of a research paper is one of the requirements of the course.
MAT 131	College Algebra	3	Fall 2023 MWF 8-8:50 Spring 2024 MWF 8-8:50	This course focuses on functions. Problem solving is emphasized. Mathematical modeling through the solution of word problems is also introduced.
MAT 132	Essentials of Statistics	3	Fall 2023 MWF 8-8:50 Spring 2024 MWF 8-8:50	This course provides an introduction to elementary probability theory, descriptive statistics and inferential statistics. Discrete and continuous distributions, including the binomial and normal distributions, are treated, as are the topics of linear regression, hypothesis testing, confidence intervals.
MAT 141	Precalculus Mathematics I	3	Fall 2023 MWF 11-11:50	This course includes topics on solving higher order polynomial and rational equations and inequalities, logarithmic as well as exponential equations. Graphs and zeros of functions, operations on functions, graph transformation, graphing and understanding the properties of polynomial, rational, inverse, logarithmic and exponential functions. Prerequisites: ACT math sub-score of 22 or satisfactory completion of MAT 131. Not open to students who have completed MAT 181.

MAT 142	Precalculus Mathematics II	3	Spring 2024 MWF 11-11:50	Topics include trigonometric functions, trigonometric identities and equations, the laws of sines and cosines, polar coordinates, conic sections and the binomial theorem. Prerequisite: MAT 141
MAT 181	Calculus I	4	Fall 2023 MTTHF 1-1:50	This course treats differential calculus and introduces integral calculus. Topics include limits, continuity, the derivative, applications of differentiation, antiderivatives, the definite integral, and the Fundamental Theorem of Calculus. Prerequisite: ACT math sub-score greater than 22 (25 is recommended), successful completion of MAT 142
MAT 182	Calculus II	4	Spring 2024 MTTHF 1-1:50	This course focuses on techniques of integration, applications of integration, and Taylor and Maclaurin series. Prerequisite: MAT 181
MUS 209	World Music	3	Fall 2023 MWF 9-9:50 Spring 2024 MWF 9-9:50	This course is a survey of the music and music cultures of the world, focusing on those distinct from the Western European tradition. The course will serve as an introduction to the discipline of ethnomusicology, the study of music in the context of culture as it exists anywhere in the world. By investigating the music of a variety of the world's cultures, and how it reflects and shapes the cultures of which they are a part, students will have opportunities to reflect upon views of the world that may be different than their own
PSY 101	Introduction to Psychology	3	Fall 2023 MWF 1-1:50 Spring 2024 MWF 1-1:50	A comprehensive survey of the field of psychology, defined as the scientific study of behavior; topics include development, personality, social interaction, abnormal behavior, learning, and motivation. PSY 101 is a prerequisite for many PSY courses numbered 200 or higher.
SOC 101	Introduction to Sociology	3	Fall 2023 T/TH 1-2:15 Spring 2024 T/TH 1-2:15	This course introduces students to the basic principles and concepts of the discipline of Sociology. It provides an introduction to sociological theories and methods. Emphasis is placed on social structure and process, including social groups, culture, social institutions, social stratification, social problems, and social change.
SWK 231	Introduction to Social Work	3	Fall 2023 T/TH 1-2:15 Spring 2024 T/TH 1-2:15	A survey of the philosophy, history, and practice of social work profession in our society; an overview of the development, training, and ethics of social work professionals; develops a point of view (theory and practice) of social work related to the structure of our society and the worth of the individual. Includes a strong "growth in self-awareness" component which is crucial in the social work field.