



UNIVERSITY TRANSFER- ASSOCIATE OF SCIENCE

Associate of Science (AS) Program Code: 20-800-2 Total Credits: 60

Students in the University Transfer-Associate of Science program take courses to meet the general requirements of a four-year degree, just like at a four-year campus. Through inquiry, observation, and analysis, students gain knowledge and skills in the arts and sciences, which enable them to broaden their perspective, increase problem-solving skills, and express themselves effectively in both writing and speaking. Students take courses within a core curriculum, with an emphasis on science and mathematics.

Students who complete an associate degree often have the benefit of a degree-to-degree transfer, where universities grant junior status and automatically waive specific lower-division requirements, such as general degree requirements, regardless of individual courses taken at Mid-State Technical College.

ACADEMIC ADVISOR

To schedule an appointment with an academic advisor, call 715.422.5300. Academic advisors will travel to other campuses as necessary to accommodate student needs. For more information about advising, visit mstc.edu/advising.

CHECKLIST:

This section will be completed when meeting with your academic advisor.

- Mid-State Technical College Application
- FAFSA (www.fafsa.gov)
- Official Transcripts
Mid-State Technical College
Student Services Assistant
1001 Centerpoint Drive
Stevens Point, WI 54481
- Follow-Up Appointment:
Where: _____
When: _____
With: _____
- Other: _____



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ADAMS CAMPUS
401 North Main
Adams, WI 53910

MARSHFIELD CAMPUS
2600 West 5th Street
Marshfield, WI 54449

STEVENS POINT CAMPUS
1001 Centerpoint Drive
Stevens Point, WI 54481

WISCONSIN RAPIDS CAMPUS
500 32nd Street North
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CAREER PATHWAY • BEGIN AT ANY POINT

HIGH SCHOOL STUDENT

COLLEGE TRANSFER

RETURNING ADULT

CREDIT FOR PRIOR LEARNING AND EXPERIENCE

CREDIT FOR PRIOR LEARNING AND EXPERIENCE

- Certifications and Licenses
- High School Credit
- Military Experience
- National/Standardized Exams
- Transfer Credit
- Work and Life Experience

Learn about Credit for Prior Learning at mstc.edu/cpl.

CERTIFICATE

COMMUNICATION ESSENTIALS

Certificate • 9 Credits

UNIVERSITY TRANSFER

Certificate • 12 Credits

For more information and additional opportunities, visit mstc.edu/career-accelerator.

ASSOCIATE OF SCIENCE (AS)

UNIVERSITY TRANSFER-ASSOCIATE OF SCIENCE

Associate of Science (AS) • 60 Credits

Start Your Career

BACHELOR'S DEGREE

BACHELOR'S DEGREE OPTIONS

Edgewood College, Lakeland University, Marquette University, University of Minnesota-Duluth, UW-Eau Claire, UW-Green Bay, UW-Milwaukee, UW-Oshkosh, UW-River Falls, UW-Stevens Point, UW-Stout, UW-Superior, and Viterbo University.

For more information and additional opportunities, visit mstc.edu/transfer.

OTHER OPTIONS

RELATED PROGRAMS

- University Transfer-Associate of Arts

OUTCOMES

Employers will expect you, as a University Transfer-Associate of Science graduate, to be able to:

- Communication: Demonstrate effective communication in diverse contexts using appropriate methods.
- Intellectual Acquisition of Knowledge: Demonstrate critical and ethical reasoning.
- Personal and Social Awareness: Demonstrate knowledge of life skills required of an effective member of a diverse and global community with increased responsibility for self-directed learning and personal wellness.
- Problem Solving: Use mathematical and scientific problem-solving processes.
- Environmental Awareness: Demonstrate a heightened awareness of our physical, chemical, and biological environment.

GRADUATION REQUIREMENT

The GPS for Student Success course is required for all Mid-State program students and is recommended to be completed before obtaining 12 credits. (Not counted in the total credit value for this program.) Some students are exempt from this requirement. Please see your program advisor for more information.

GPS for Student Success

10890102 1 credit

Integrate necessary skills for student success by developing an academic plan, identifying interpersonal attributes for success, adopting efficient and effective learning strategies, and utilizing Mid-State resources, policies, and processes. This course is recommended to be completed prior to obtaining 12 credits and is a graduation requirement unless you receive an exemption from your program advisor.

ADDITIONAL COURSES AS NEEDED

The following courses may be recommended or required if the student does not achieve minimum Accuplacer scores.

College Reading and Writing 1

10831104 3 credits

Provides learners with opportunities to develop and expand reading and writing skills to prepare for college-level academic work. Students will employ critical reading strategies to improve comprehension, analysis, and retention of texts. Students will apply the writing process to produce well-developed, coherent, and unified written work.

Pre-Algebra

10834109 3 credits

Provides an introduction to algebra. Includes operations on real numbers, solving linear equations, percent and proportion, and an introduction to polynomials and statistics. Prepares students for elementary algebra and subsequent algebra-related courses.

STUDENT HANDBOOK

Visit mstc.edu/studenthandbook to view Mid-State's student handbook, which contains information about admissions, enrollment, appeals processes, services for people with disabilities, financial aid, graduation, privacy, Mid-State's Student Code of Conduct, and technology.

PROGRAM CURRICULUM

English (6 credits required)

Speech (3 credits required)

Humanities (6 credits required)

Must include courses in at least two disciplines: art, history, journalism/writing, literature, music, philosophy, theatre/film, world language, and political science.

Social Science (6 credits required)

Must include courses in at least two disciplines: anthropology, economics, geography, political science, psychology, sociology.

Mathematics & Natural Science (20 credits required)

Mathematics at the level of college algebra, statistics, quantitative reasoning, or higher. Natural science includes two lab courses, one from each of two different science disciplines.

World Language (4 credits required)

May be met with one year of high school foreign language with a grade of "C" or better.

Health/Wellness/Physical Education (1 credit required)

Diversity & Ethnic Studies (3 credits required)

Electives (Additional elective credits to attain 60 total credits)

Select any college transfer courses beyond the minimum requirements. One credit of health and PE beyond the required credit may be selected.

ALL COURSES FOR UNIVERSITY TRANSFER

English (6 credits required)

	credits
10801136 English Composition 1 ☑	3
20801223 English 2 ☑	3

Speech (3 credits required)

	credits
10801196 Oral/Interpersonal Communication ☑	3
10801198 Speech ☑	3

- Students cannot take Oral/Interpersonal to fulfill their required Speech credit. It may be used as an elective.

Humanities (6 credits required)

10809122 Intro to American Government ☑	3
10809166 Introduction to Ethics: Theory & Application ☑	3
20801227 Creative Writing ☑	3
20801233 Children's Literature ☑	3
20801247 Contemporary World Literature ☑	3
20801204 Introduction to Literature ☑	3
20803211 US History to 1877 ☑	3
20803212 US History 1877 to Present ☑	3
20805201 Music Appreciation ☑	3
20805280 Music in Film ☑	3
20809223 Introduction to World Religions ☑	3
20809226 Environmental Ethics	3
20809260 Introduction to Philosophy ☑	3

Social Science (6 credits required)

	credits
10809103 Think Critically & Creatively ☑	3
10809172 Introduction to Diversity Studies ☑	3
10809188 Developmental Psychology ☑	3
10809195 Economics ☑	3
10809196 Intro to Sociology ☑	3
10809198 Intro to Psychology ☑	3
10809217 Race Class Gender	3
20809237 Abnormal Psychology ☑	3
20809254 Educational Psychology ☑	3
20809204 Marriage and Family ☑	3
20809287 Principles of Macroeconomics ☑	3
20809291 Principles of Microeconomics ☑	3

Mathematics & Natural Science (20 credits required)

Mathematics at the level of College Algebra, Statistics, Quantitative Reasoning, or higher

10804118 Intermediate Algebra with Applications ☑	4
10804135 Quantitative Reasoning ☑	3
10804189 Introductory Statistics ☑	3
10804190 Calculus and Analytic Geometry 1 ☑	5
10804195 College Algebra with Applications ☑	3
10804196 Trigonometry with Applications ☑	3
20804227 Elementary Math Education 1	4
20804237 Elementary Math Education 2	4

Natural Science (include two lab courses, one from each of 2 different science disciplines)

10806112 Principles of Sustainability ☑	3
10806114 General Biology	4
10806134 General Chemistry ☑	4
10806143 College Physics 1 ☑	3
10806154 General Physics 1	4
10806177 General Anatomy & Physiology ☑	4
10806179 Advanced Anatomy & Physiology	4
10806189 Basic Anatomy	3
10806197 Microbiology ☑	4
20806215 Environmental Science	3

- Courses that have labs – 10806114, 10806134, 10806143, 10806154, 10806177, 10806179, 10806197, and 20806206

World Language (4 credits required)

	credits
20802211 Spanish 1	4
20802212 Spanish 2	4

Health/Wellness/PE (1 credit required)

	credits
10807205 The Well Traveler ☑	1
10807210 Environmental Wellness	1
20807202 Nutrition for Life ☑	1
20807203 Stress Management Fitness for Life ☑	1
20807204 Physical Fitness for Life ☑	1

Diversity & Ethnic Studies (3 credits required)

Electives (Additional elective credits to attain 60 total credits)

Select other courses to fill in available credits. One additional credit of Health/Wellness/PE may be selected. If students satisfy the world language requirement by transferring in a full year of high school world language credits with a "C" or better, then they may need elective credits to satisfy the program credit requirement.

For more information, visit mstc.edu/programs/liberal-arts-arts

- ☑ This course has options available to receive credit for prior learning (CPL) or work experience. Visit the website at mstc.edu/cpl or contact your advisor for details.

Please Note:

- Student schedules and program completion time may vary depending on course availability.
- Exact courses taken will vary significantly based on students' interests and transfer intentions.
- Graduation requirement of a 2.0 cumulative GPA.
- Electives are selected from courses not used to fulfill other requirements.
- Students are strongly encouraged to consult with the Academic Adviser before registering for courses. Some stipulations for transfer may apply.

MULTIPLE MEASURES

Multiple Measures Writing (MMW): High school GPA of 2.6 and successful completion of 2.0 credits of high school writing courses with a "C" or better

Multiple Measures Reading (MMR): High school GPA of 2.6 and successful completion of 2.0 credits of high school literature courses with a "C" or better

Multiple Measures Math 1 (MMM_1): High school GPA of 2.6 and successful completion of 1.0 credits of high school math (Algebra 1 or equivalent) with a "C" or better

Multiple Measures Math 2 (MMM_2): High school GPA of 2.6 and successful completion of 2.0 credits of high school math including Algebra 1 and Algebra 2 with a "C" or better

Multiple Measures Science 1 (MMS_1): High school GPA of 2.6 and successful completion of 1.0 credits of high school lab science course with a "C" or better

Multiple Measures Science 2 (MMS_2): High school GPA of 2.6 and successful completion of 1.0 credits of high school chemistry with a "C" or better

Past high school and college transcripts are used in making course placement decisions.

COURSE DESCRIPTIONS

Abnormal Psychology ☒

208092373 credits

The course addresses the foundations of abnormal psychology and psychological disorders, including their characteristics, possible causes, assessments, diagnostic processes, and treatments. The course includes examination of major historical and theoretical perspectives, research, sociocultural considerations, and elements of psychological wellness.

Prerequisite: Intro to Psychology 10809198 with a grade of "C" or better

Advanced Anatomy & Physiology

10806179..... 4 credits

The second semester in a two-semester sequence in which normal human anatomy and physiology are studied using a body system approach with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. Instructional delivery is within a classroom and laboratory setting. Experimentation within a science lab includes analysis of cellular metabolism and the individual components of body systems such as the nervous, neuromuscular, cardiovascular, and urinary. Continued examination of homeostatic mechanisms and their relationship to fluid, electrolyte, acid-base balance, and blood. Integration of genetics to human reproduction and development are also included in this course.

Prerequisite: General Anatomy & Physiology 10806177 with a grade of "C" or better.

Basic Anatomy

108061893 credits

Examines concepts of anatomy and physiology as they relate to health careers. Learners correlate anatomical and physiological terminology to all body systems.

Prerequisite: High School GPA of 2.6 and MMS_1 or Accuplacer Reading Skills of 249 or ACT Reading score of 15

Calculus & Analytic Geometry 1

108041905 credits

Designed for students of mathematics, science, and engineering. An introduction to the basic properties of limits, rate of change of functions, continuity, derivatives of algebraic and elementary transcendental functions, their products quotients and compositions, curve sketching, finding maxima and minima, and indefinite and definite integration with applications.

Prerequisites: College Algebra with Applications 10804195 and Trigonometry with Applications 10804196 with a "C" or better

Children's Literature ☒

208012333 credits

Introduces the forms, functions, and merits of literature for children. Students will read and evaluate both classic and contemporary texts for a variety of age levels. Readings, lecture, class discussion, and projects will also explore historical and cultural contexts for, and influences upon, children's literature. Special consideration will be given to diverse and multicultural works. Art and illustration will also be explored as storytelling tools.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading score of 253 and Writing of 262 or ACT Reading score of 20 or completion of College Reading and Writing 1 10831104 with a "C" or better

College Algebra with Applications ☒

108041953 credits

Covers the skills needed for success in calculus and many application areas on a baccalaureate level. Topics include the real and complex number systems, polynomials, exponents, radicals, solving equations and inequalities (linear and nonlinear), relations and functions, systems of equations and inequalities (linear and nonlinear), matrices, graphing, conic sections, sequences and series, combinatorics, and the binomial theorem.

Prerequisite: ACT Math score of 22 or Trigonometry with Applications 10804196 or Intermediate Algebra with Applications 10804118 with a "C" or better

College Physics 1

108061433 credits

Presents the applications and theory of basic physics principles. This course emphasizes problem solving, laboratory investigation and applications. Topics include laboratory safety, unit conversions and analysis, kinematics, dynamics, work, energy, power, temperature and heat.

Corequisite: Trigonometry with Applications 10804196

Contemporary World Literature ☒

208012473 credits

Contemporary World Literature presents a post-World War II overview of diverse and multicultural literature. Through readings in long and short fiction and poetry, students explore the way different cultures and writers see their internal and external worlds in relation to their sense of self. The primary focus will be on diverse and multicultural text analysis, seeking and challenging evidence of universal themes and human experience.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading score of 253 and Writing of 262 or ACT Reading score of 20 or completion of College Reading and Writing 1 10831104 with a "C" or better

Creative Writing ☒

208012273 credits

Introduces and encourages the creative writing process as an avenue for individual expression. Students will read and respond to works of creative writing in various genres to determine their principles as well as how and why writers break formal conventions. Students will experiment with techniques for producing original work in both poetry and prose. Emphasis is on idea generation, collaborative feedback, and effective revision. This is a workshop-based course.

Developmental Psychology ☒

10809188.....3 credits

Studies human development throughout the lifespan and explores developmental theory and research with an emphasis on the interactive nature of the biological, cognitive, and psychosocial changes that affect the individual from conception to death. Application activities and critical thinking skills enable students to gain an increased knowledge and understanding of themselves and others.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

COURSE DESCRIPTIONS

Economics

108091953 credits

Provides an overview of how a market-oriented economic system operates and surveys the factors that influence national economic policy. Basic concepts and analyses are illustrated by reference to a variety of contemporary problems and public policy issues. Concepts include scarcity, resources, alternative economic systems, growth, supply and demand, monetary and fiscal policy, inflation, unemployment and global economic issues.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

Educational Psychology

208092543 credits

Explores the psychological theories of development and learning related to education and teaching. Course covers the unique diversity of students that we teach as well as exceptionalities. Students examine learning theory and instructional practice as well as issues of motivation and classroom management. Classroom planning and assessment methods and techniques are evaluated.

Prerequisite: Intro to Psychology 10809198 or Developmental Psychology 10809188 with a "C" or better

Elementary Math Education 1

20804227 4 credits

Covers mathematics content necessary for prospective early childhood and elementary teachers. Topics include foundational and historical concepts from arithmetic and algebra.

Prerequisite: High school GPA 2.6 and MMM_2 or Accuplacer Arithmetic of 263 and QAS 234 or ACT Math score of 19 or QAS of 245

Elementary Math Education 2

20804237 4 credits

Includes concepts of proportionality, statistics and probability, plane geometry, the geometry of solids, and measurement.

Prerequisite: High school GPA 2.6 and MMM_2 or Accuplacer Arithmetic of 263 and QAS 234 or ACT Math score of 19 or QAS of 245 or Intermediate Algebra with Applications 10804118 with a "C" or better

English Composition 1

108011363 credits

Learners develop and apply skills in all aspects of the writing process. Through a variety of learning activities and written documents, learners employ rhetorical strategies, plan, organize and revise content, apply critical reading strategies, locate and evaluate information, integrate and document sources, and apply standardized English language conventions.

Prerequisite: High School GPA of 2.6 and MMW or Accuplacer Writing of 262 or ACT English score of 20 or completion of College Reading and Writing 1 10831104 with a "C" or better

English 2

208012233 credits

Students continue the study of academic writing to attain advanced writing and critical thinking skills. Students learn textual synthesis, analysis, advanced source integration, and rhetorical strategies.

Prerequisite: English Composition 1 10801136 or Written Communication 10801195 with a "C" or better

Environmental Ethics

208092263 credits

An introduction to environmental ethics for students who have had little or no exposure to the philosophical issues surrounding the problems of nature. Problems to be discussed are endangered species, energy and pollution wilderness, environmental justice, world hunger, immigration and overpopulation, animal rights, and corporate obligations regarding the natural environment. Covers theoretical approaches and practical applications and provides a history of the development of our present ecological situations.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English or completion of College Reading and Writing 1 10831104 with a "C" or better

Environmental Science

208062153 credits

Develops an understanding of environmental concerns and current issues including water resources, total land use, air pollution, biocides, energy use, population, pollution, and health. Examines ecological, economic, historical, and philosophic views of issues.

Environmental Wellness

10807210 1 credit

This course will explore the relationship between individuals and their environment and provide an overview of environmental wellness in relation to the impacts on human well-being. The student will focus on the individual's role in preserving and interacting with the environment to promote holistic health through sustainable interventions.

General Anatomy & Physiology

10806177 4 credits

Examines basic concepts of human anatomy and physiology as they relate to health sciences. Using a body systems approach, the course emphasizes the interrelationships between structure and function at the gross and microscopic levels of organization of the entire human body. It is intended to prepare health care professionals who need to apply basic concepts of whole-body anatomy and physiology to informed decision making and professional communication with colleagues and patients.

Prerequisite: High School GPA of 2.6 and MMS_1 and MMM_1 or Accuplacer Reading Skills of 262 and QAS of 246 or ACT Math score of 19 and Reading score of 19 or College Math 10804107 or Intermediate Algebra with Applications 10804118 with a "C" or better, or General Chemistry 10806134, or General Biology 10806114, or Human Body in Health & Disease 31509302

COURSE DESCRIPTIONS

General Biology

10806114 4 credits

Introduces general biological concepts and principles. Emphasis is on cell structure and function, genetics, evolution, and taxonomical relationships. Consideration is also given to taxonomy among the various kingdoms.

Prerequisite: High School GPA of 2.6 and MMS_1 or Accuplacer Reading Skills of 249 or ACT Reading score of 15

General Chemistry

10806134 4 credits

Covers the fundamentals of chemistry. Topics include the metric system; problem solving; periodic relationships; chemical reactions, chemical equilibrium; properties of water; acids, bases, and salts; and gas laws.

Prerequisite: High School GPA of 2.6 and MMS_1 and MMM_1 or Accuplacer Reading Skills of 262 and QAS of 246 or ACT Math score of 19 and Reading score of 19 or College Mathematics 10804107 or Intermediate Algebra with Applications 10804118 with a "C" or better

General Physics 1

10806154 4 credits

Presents the applications and theory of basic physics principles. This course emphasizes problem solving, laboratory investigation, and applications. Topics include unit conversion and analysis, vectors, translational and rotational kinematics, translational and rotational dynamics, heat and temperature, and harmonic motion and waves.

Corequisite: Trigonometry with Applications 10804196

Intermediate Algebra with Applications

10804118 4 credits

This course offers algebra content with applications. Topics include properties of real numbers; order of operations; algebraic solution for linear equations and inequalities; operations with polynomial and rational expressions; operations with rational exponents and radicals; and algebra of inverse, logarithmic, and exponential functions.

Prerequisite: High School GPA of 2.6 and MMM_1 or Accuplacer Arithmetic of 263 and QAS 234 or ACT Math score of 19 or QAS of 245 or Pre-Algebra 10834109 with a "C" or better

Introduction to American Government

10809122 3 credits

Introduces American political processes and institutions. Focuses on rights and responsibilities of citizens and the process of participatory democracy. Learners examine the complexity of the separation of powers and checks and balances. Explores the role of the media, interest groups, political parties, and public opinion in the political process. Also explores the role of state and national government in our federal system.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

Introduction to Diversity Studies

10809172 3 credits

Learners develop and apply skills in all aspects of the writing process. Through a variety of learning activities and written documents, learners employ rhetorical strategies, plan, organize and revise content, apply critical reading strategies, locate and evaluate information, integrate and document sources, and apply standardized English language conventions.

Prerequisite: High School GPA of 2.6 and MMW or Accuplacer Writing of 262 or ACT English score of 20 or completion of College Reading and Writing 1 10831104 with a "C" or better

Introduction to Ethics: Theory and Application

10809166 3 credits

Provides a basic understanding of the theoretical foundations of ethical thought. Diverse ethical perspectives are used to analyze and compare relevant issues. Students critically evaluate individual, social, and/or professional standards of behavior, and apply a systemic decision-making process to these situations.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

Introduction to Literature

20801204 3 credits

Presents the major literary genres of poetry, fiction, nonfiction, and drama, and their distinct characteristics. Students will be introduced to relevant theoretical approaches and the influence of culture on a text's creation. Students will discuss, analyze, interpret, and write about literature. This course enhances appreciation of literature and prepares students for further literary study.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading score of 253 and Writing of 262 or ACT Reading score of 20 or completion of College Reading and Writing 1 10831104 with a "C" or better

Introduction to Philosophy

20809260 3 credits

This course introduces the traditional divisions of philosophy and methods of philosophical inquiry as presented by ancient and modern philosophers. Includes an examination of human nature, reality and being, religion and the existence of God, knowledge and truth, moral values, and social and political philosophy. Students will develop thinking, reasoning, and argumentation skills to support their own philosophical perspectives and challenge the perspectives of others.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English or completion of College Reading and Writing 1 10831104 with a "C" or better

COURSE DESCRIPTIONS

Introduction to Psychology ☑

10809198**3 credits**

This science of psychology course is a survey of multiple aspects of behavior and mental processes. It provides an overview of topics such as research methods, theoretical perspectives, learning, cognition, memory, motivation, emotions, personality, abnormal psychology, physiological factors, social influences, and development.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

Introduction to Sociology ☑

10809196**3 credits**

Introduces students to the basic concepts of sociology: culture, socialization, social stratification, multi-culturalism, and the five institutions of family, politics, economics, religion, and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

Introduction to World Religions ☑

20809223**3 credits**

This course will familiarize students with the religious traditions of the world by providing a broad overview of major religions including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, and others. Indigenous religions and new religious movements will also be studied. An emphasis is placed on each religion's origins and historical development, main doctrines, teachings, ethics, sacred texts, and ways of worship.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English or completion of College Reading and Writing 1 10831104 with a "C" or better

Introductory Statistics ☑

10804189**3 credits**

Students taking Introductory Statistics display data with graphs, describe distributions with numbers, perform correlation and regression analyses, and design experiments. They use probability and distributions to make predictions, estimate parameters, and test hypotheses. They draw inferences about relationships including ANOVA. Algebra knowledge and foundational skills in mathematics are important for success in this course.

Prerequisite: High School GPA of 2.6 and MMM_2 or Accuplacer QAS 241 or ACT Math score of 19 or Pre-Algebra 10834109 or College Math 10804107 with a "C" or better

Marriage and Family

20809204.....**3 credits**

This course introduces the student to the sociological aspects of marriage and family life in contemporary American society. Emphasis is on the study of cognitive, emotional, and behavioral patterns associated with courtship, love, mate selection, sexuality, and marriage. It discusses life span development, balancing work and family, and parenting. This course is based on the premise that human attitudes, feelings, and behaviors are largely shaped and influenced by philosophy, gender, communication, and personal beliefs.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

Microbiology ☑

10806197.....**4 credits**

Examines microbial structure, metabolism, genetics, growth and the relationship between humans and microbes. Addresses disease production, epidemiology, host defense mechanisms and the medical impact of microbes. Presents the role of microbes in the environment, industry, and biotechnology.

Prerequisite: "C" or better in General Anatomy & Physiology 10806177 or General Biology 10806114 or Plant Biology 10806184

Music Appreciation ☑

20805201.....**3 credits**

Discover how music is intertwined with the history, art, politics, religion, and culture of people from around the world and across the centuries. Students will learn to identify voices, instruments, and genres of music from the Middle Ages to today. Students will develop active listening skills and an understanding of how music, beyond one's personal taste, can be appreciated for its artistry and significance on human interconnectedness. Attendance at one live school, community, or professional musical performance is required.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

Music in Film ☑

20805280**3 credits**

Follows the development music and sound in film, from the beginning of the silent-movie era to the great film composers of the twentieth century and today. Students will explore the role and expression of music in film, learn about the fundamental elements of film music and composers, as well as develop a vocabulary for describing and assessing film music. Includes classroom discussion, evaluation of different compositional styles, and learning to listen critically to film score while viewing movies.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

Nutrition for Life ☑

20807202**1 credit**

Examines the nutrient requirements of healthy individuals, nutrient categories, and food sources as well as their characteristics in relation to physiological functions, metabolism and disease prevention.

COURSE DESCRIPTIONS

Oral/Interpersonal Communication ☑

108011963 credits

Focuses on developing effective listening techniques and verbal and nonverbal communication skills through oral presentation, group activity, and other projects. The study of self, conflict, and cultural contexts will be explored, as well as their impact on communication.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

Physical Fitness for Life ☑

208072041 credit

Examines the relationship of physical fitness and activity to healthy lifestyles and wellness. Students will access current level of fitness, then plan and implement a personal fitness program.

Principles of Macroeconomics ☑

208092873 credits

Macroeconomics explores the performance and behaviors of a free-market economy; specifically output, income, and employment and how forces act to shape these factors and determine their fluctuations. Government fiscal and monetary roles as well as the impact of international transactions on the domestic economy are studied. Balance is drawn between theory, analysis, and a critique of the institutions that characterize modern mixed-capitalist economies. Conflicting social goals and economic constraints provide the framework through which the macroeconomy is analyzed.

Principles of Microeconomics ☑

208092913 credits

This course introduces economic analysis of individual, business, and industry choices in the market economy. Topics include the price mechanism, supply and demand, optimizing economic behavior, costs and revenue, market structures, factor markets, income distribution, market failure, and government intervention. Upon completion, students should be able to identify and evaluate consumer and business alternatives to achieve economic objectives efficiently.

Principles of Sustainability ☑

108061123 credits

Prepares the student to develop sustainable literacy, analyze the interconnections among the physical and biological sciences and environmental systems, summarize the effects of sustainability on health and well-being, analyze connections among social, economic, and environmental systems, employ energy conservation strategies to reduce the use of fossil fuels, investigate alternative energy options, evaluate options to current waste disposal and recycling in the U.S., and analyze approaches used by your community to promote and implement sustainability.

Quantitative Reasoning

108041353 credits

This course is intended to develop analytic reasoning and the ability to solve quantitative problems. Topics to be covered may include construction and interpretation of graphs; descriptive statistics; geometry and spatial visualizations; math of finance; functions and modeling; probability; and logic. Appropriate use of units and dimensions, estimates, mathematical notation, and available technology will be emphasized throughout the course.

Prerequisite: High School GPA of 2.6 and MMM_1 or Accuplacer QAS 241 or ACT Math score of 19 or Pre-Algebra 10834109 or College Math 10804107 with a "C" or better

Race, Class, Gender

108092173 credits

This course considers how race, class, gender, and sexuality, with roots in historical legacies of power, privilege, and oppression, continue to be constructed in a global context. Rather than analyzing race, class, gender, and sexuality as separate and distinct categories of difference, this course utilizes various theories to explore how these variables integrate, overlap, and intersect to affect individuals' and groups' lived experiences with structures of power. The course concludes with an examination of social movements and their role in constructing identity, challenging structural inequality, and creating social change.

Prerequisite: Introduction to Diversity Studies 10809172

Spanish 1

208022114 credits

For students beginning the study of Spanish. Emphasizes development of basic communicative skills through practice in listening, speaking, reading, and writing. Stresses vocabulary and grammar to enhance students' ability to speak and write in Spanish. Study of customs and values provides an increased awareness of Spanish speaking cultures. On completion students are expected to participate in uncomplicated conversations on everyday topics.

Spanish 2

208022124 credits

Enhances student ability to learn to read, write, understand, and speak Spanish.

Prerequisite: Spanish 1 20802211 with a "C" or better

Speech ☑

108011983 credits

Explores the fundamentals of effective oral presentation to small and large groups. Topic selection, audience analysis, methods of organization, research, structuring evidence and support, delivery techniques, and other essential elements of speaking successfully, including the listening process, form the basis of this course. Includes informative, persuasive, and occasion speech presentations.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 253 and Writing of 262 or ACT of 21 Reading/19 English or completion of College Reading and Writing 1 10831104 with a "C" or better

COURSE DESCRIPTIONS

Stress Management: Fitness for Life ☑

20807203 **1 credit**

The course explores the nature of stress, determinant causes, the physiological and psychological reactions to stress and will introduce and implement physiological, cognitive, and behavioral stress management techniques.

Technical Reporting

10801197 **3 credits**

The student prepares and presents oral and written technical reports. Types of reports may include lab and field reports, proposals, technical letters and memos, technical research reports, and case studies. Designed as an advanced communication course for students who have completed at least the prerequisite introductory writing course.

Prerequisite: Written Communication 10801195 with a grade of "C" or better

The Well Traveler ☑

10807205 **1 credit**

In this course the student will examine components of travel as it impacts their personal dimensions of health and wellness. The student will develop global citizenship skills by preparing for travel with an emphasis on maximizing opportunities that support individual wellbeing and the appreciation of growth through experiences. We will also explore interventions to ensure safety while traveling.

Think Critically and Creatively ☑

10809103 **3 credits**

Provides instruction about critical and creative thinking that is in high demand in all occupations. Models, theories, and processes provide the foundation for learning logical thinking strategies. Students will apply a systematic approach to problem solving by analyzing the problem, assessing possible solutions, and making effective decisions. In addition, students will generate ideas and analyze complex issues. This course assists students with developing a critical thinking mindset which is essential at every level of personal and professional life.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English

Trigonometry with Applications

10804196 **3 credits**

Topics include circular functions, graphing of trigonometry functions, identities, equations, trigonometric functions of angles, inverse functions, solutions of triangles, complex numbers, DeMoivre's Theorem, polar coordinates, and vectors.

Prerequisite: ACT Math score of 22 or Intermediate Algebra with Applications 10804118 with a "C" or better

U.S. History 1877 to Present

20803212 **3 credits**

Surveys U.S. political, social, and economic development from the post-Civil War era to the present. Emphasizes reading, writing, and discussion.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English or completion of College Reading and Writing 1 10831104 with a "C" or better

U.S. History to 1877

20803211 **3 credits**

Surveys U.S. political, social, and economic development from the pre-colonial era to the post-Civil War period. Emphasizes reading, writing, and discussion.

Prerequisite: High School GPA of 2.6 and MMR and MMW or Accuplacer Reading Skills of 236 and Writing of 237 or ACT of 15 Reading/16 English or completion of College Reading and Writing 1 10831104 with a "C" or better