

GENERAL EDUCATION



BIOLOGY

GENERAL BIOLOGY

In this introductory course, students explore the basic biological principles that describe and explain the nature of life. Topics include cell biology, molecular biology (including basic biochemistry and DNA structure and function), metabolism, and genetics. Students practice skills in both the classroom and the laboratory through group exercises, laboratory activities, quizzes, and exams. Purchase class materials in the RTC Bookstore prior to the first class.

| | | | |
|---------------------------|-----------------------------------|----------------------|----------------|
| BIOL& 160 G760 | 5 credits | | H201 |
| 9/17-12/11 | 8:00AM-10:00AM 10:15AM-12:15PM | TTh/Lecture W/Lab | STOVER F101 |
| BIOL& 160 G763 | 5 credits | | H306 |
| 9/16-12/10 | 5:30PM-7:30PM 5:30PM-7:30PM | MW/Lecture Th/Lab | STOVER F101 |
| BIOL& 160 W460 | 5 credits | | ONLINE |
| ☞9/16-12/15 | ARR | ARR | COLLIN-CLAUS |
| 10/3,11/14,12/5 | 8:00AM-12:00PM | Sat/Lab | F101 |

MICROBIOLOGY

Microbiology is a comprehensive course introducing classification, structure, and function of microbes. Focus includes disease causing bacteria, viruses, protozoa and fungi. The role of this microorganism in nature, environmental impact, and health applications are covered. Laboratory is an integral component, which includes training on microscopes, slide prep, aseptic technique transfer/inoculation of bacteria, and use of various media to select, isolate, and characterize organisms. Prerequisite: completion of BIOL& 160 with a 2.0 or higher.

| | | | |
|---------------------------|----------------------------------|---------------------|--------------|
| BIOL& 260 G858 | 5 credits | | J306 |
| 9/17-12/10 | 5:30PM- 7:30PM 5:30PM- 7:30PM | Th/Lecture W/Lab | YANG J306 |
| BIOL& 260 W428 | 5 credits | | ONLINE |
| ☞9/16-12/15 | ARR | ARR | ACAR |
| 10/10,11/14,12/5 | 8:00AM-12:00PM | Sat/Lab | J306 |

INTRODUCTION TO ANATOMY AND PHYSIOLOGY

This course provides students with an introduction to the basic concepts of anatomy and physiology. It includes organization, classification and control of anatomical structures and an introduction to the major body systems. The course covers some medical terminology and introduces some concepts from chemistry and biochemistry. This course is intended for non-science majors or entry-level allied health majors.

| | | | |
|----------------------|------------------------------------|----------------------|----------------|
| BIOL 100 G777 | 5 credits | | H306 |
| 9/16-12/10 | 8:00AM-10:00AM 8:00AM-10:00AM | MW/Lecture Th/Lab | STOVER F101 |
| BIOL 100 G776 | 5 credits | | H201 |
| 9/16-12/9 | 12:30PM- 2:30PM 12:30PM- 2:30PM | MW/Lecture T/Lab | STOVER F101 |
| BIOL 100 W434 | 5 credits | | ONLINE |
| ☞9/16-12/15 | ARR | ARR | STOVER |
| 10/3,11/14,12/5 | 1:00PM-5:00P, | Sat/Lab | F101 |

HUMAN ANATOMY AND PHYSIOLOGY I

This is the first of two classes designed for students who want to enter professional health care programs. It is a study of the gross anatomy and functioning of the human body. Covers body organization, cellular structure and function, fundamentals of chemistry and the physiology, structure and function of all the body systems. Lab includes microscopic tissue studies, dissection, work with ADAM software, and physiology projects related to the systems studies. Prerequisite: completion of BIOL& 160 with a 2.0 or higher.

| | | | |
|---------------------------|------------------------------------|----------------------|---------------|
| BIOL& 241 G541 | 5 credits | | H201 |
| 9/17-12/11 | 11:30AM- 1:30PM 11:30AM- 1:30PM | TTh/Lecture F/Lab | BABEL F101 |
| BIOL& 241 W438 | 5 credits | | ONLINE |
| ☞9/16-12/15 | ARR | ARR | BOATWRIGHT |
| 10/10,11/7,11/21 | 8:00AM-12:00PM | Sat/Lab | F101 |

HUMAN ANATOMY AND PHYSIOLOGY II

This is the second of two classes designed for students who want to enter professional health care programs. It is a study of the gross anatomy and functioning of the human body. Covers body organization, cellular structure and function, fundamentals of chemistry and the physiology, structure and function of all the body systems. Lab includes microscopic tissue studies, dissection, work with ADAM software, and physiology projects related to the systems studied. Prerequisite: completion of BIOL& 241 with a 2.0 or higher.

| | | | |
|---------------------------|----------------------------------|----------------------|--------------------|
| BIOL& 242 G542 | 5 credits | | H306 |
| 9/17-12/10 | 1:30PM- 3:30PM 1:30PM- 3:30PM | TTh/Lecture M/Lab | BOATWRIGHT F101 |
| BIOL& 242 W442 | 5 credits | | ONLINE |
| ☞9/16-12/15 | ARR | ARR | BOATWRIGHT |
| 10/10,11/7,11/21 | 1:00PM-5:00PM | Sat/Lab | F101 |

HUMAN ANATOMY AND PHYSIOLOGY I & II (LINKED)

This class combines the content from BIOL& 241 and 242 into a ten-credit unit. The order in which the material is taught however can vary and grades for both classes will be assigned at the end of the quarter. This course is very intensive and should only be considered by students who are well prepared and have considerable study time available to them. Students pay for both classes at the time they register. Prerequisite: completion of BIOL& 160 with a 2.0 or higher.

| | | | |
|---------------------------|----------------------------------|----------------------|--------------------|
| BIOL& 241 G741 | 5 credits | | H306 |
| 9/17-12/10 | 9:00AM- 1:00PM 9:00AM- 1:00PM | TTh/Lecture M/Lab | BOATWRIGHT F101 |
| BIOL& 242 G742 | 5 credits | | H306 |
| 9/17-12/10 | 9:00AM- 1:00PM 9:00AM- 1:00PM | TTh/Lecture M/Lab | BOATWRIGHT F101 |



CHEMISTRY

GENERAL CHEMISTRY

This introductory course discusses the basic concepts in general and inorganic chemistry. It is designed to prepare students for coursework in health sciences or more advanced scientific coursework by laying the foundation of the most 'elemental' science - chemistry. Topics covered range from the nature of atoms to chemical reactions and include homework, laboratories, exams and group exercises. Prerequisite: placement into MATH 095 or completion of MATH 085 with a 2.0 or higher.

| | | | |
|---------------------------|----------------|-------------|-------|
| CHEM& 140 G840 | 5 credits | | H201 |
| 9/17-12/11 | 2:45PM- 4:45PM | TTh/Lecture | BABEL |
| | 2:45PM- 4:45PM | F/Lab | F101 |

ENGLISH

WRITING IMPROVEMENT I

Learn how to make your writing sizzle by improving your basic sentence structure. This course is designed to help you write a wide variety of strong sentences as well as maximize your knowledge of grammar basics. Instruction includes daily writing and use of technology to assist writer in improving their writing skills.

| | | | |
|----------------------|----------------|----|---------|
| ENGL 080 G180 | 3 credits | | C103 |
| 9/16-12/14 | 2:45PM- 3:45PM | MW | CAMERON |

WRITING IMPROVEMENT II

This writing improvement course helps students improve their composition skills by concentrating on paragraph construction. Paragraphs provide the foundation necessary for college level writing. The coursework assists students to move from sentences to paragraphs and prepares them for writing papers and reports.

| | | | |
|----------------------|----------------|----|---------|
| ENGL 090 G190 | 4 credits | | C103 |
| 9/16-12/14 | 2:45PM- 4:45PM | MW | CAMERON |

APPLIED COMPOSITION

This practical writing course assists students with academic writing. The class incorporates journal summaries and basic essay formats to help students build on their sentence and paragraph strengths to be successful in college-level writing. This class assists students in moving their writing forward through practice.

| | | | |
|---------------------|----------------|----|---------|
| ENGL100 G100 | 5 credits | | C103 |
| 9/16-12/14 | 2:45PM- 5:15PM | MW | CAMERON |

| | | | |
|---------------------|----------------|-----|---------|
| ENGL100 G300 | 5 credits | | H210 |
| 9/17-12/10 | 2:45PM- 5:15PM | TTh | HIGGINS |

| | | | |
|---------------------|----------------|----|---------|
| ENGL100 G211 | 5 credits | | H210 |
| 9/16-12/14 | 5:30PM- 8:00PM | MW | HIGGINS |

ENGLISH COMPOSITION

This is a college level writing course in which students learn to write essays that explain ideas, argue for a position, and evaluate information. Students write draft essays based on personal experience and information gathered from a variety of resources. Students revise and edit their draft essays based on constructive comments offered by their peers and by their instructor. Upon successful completion of the course, students are able to write essays (of at least 1,000 words) demonstrating the conventions of standard written English. Prerequisite: COMPASS score of 75 or higher or completion of ENGL 100 with a 2.0 or higher. Basic computer and keyboarding skills strongly recommended.

| | | | |
|---------------------------|----------------|----|---------|
| ENGL& 101 G111 | 5 credits | | C103 |
| 9/16-12/14 | 8:00AM-10:30AM | MW | CAMERON |

| | | | |
|---------------------------|----------------|-----|---------|
| ENGL& 101 G311 | 5 credits | | C103 |
| 9/17-12/10 | 2:45PM- 5:15PM | TTh | CAMERON |

| | | | |
|---------------------------|---------------|-----|---------|
| ENGL& 101 G411 | 5 credits | | H203 |
| 9/17-12/10 | 6:00PM-8:30PM | TTh | HIGGINS |

| | | | |
|---------------------------|-----------|-----|---------|
| ENGL& 101 W412 | 5 credits | | ONLINE |
| 9/16-12/15 | ARR | ARR | HIGGINS |

GEOLOGY

INTRODUCTION TO PHYSICAL GEOLOGY

Examines geologic processes that shape the Earth. Emphasis placed on understanding the language and methods of science as applied to our changing planet. Students develop critical thinking skills and apply them to regional geology. Topics include earthquakes, volcanism, glaciers, rivers and the structure of the Earth. May include field trips. Includes laboratory.

| | | | |
|---------------------------|-----------|-----|--------|
| GEOL& 101 W440 | 5 credits | | ONLINE |
| 9/24-12/2 | ARR | ARR | WAOL |

AMERICAN HISTORY

SURVEY OF AMERICAN HISTORY

This survey course examines the creation and evolution of the United States beginning with the histories of pre-contact native peoples and continuing through the present time. Through the exploration of key figures, eras and events, students develop historical thinking skills, draw conclusions from competing and contradictory sources, and recognize the role of perspective in historical documentation.

| | | | |
|----------------------|----------------|-----|---------|
| HIST 110 G115 | 5 credits | | C107 |
| 9/17-12/10 | 2:45PM- 5:15PM | TTh | BIGELOW |

MATHEMATICS

FUNDAMENTALS OF MATHEMATICS

The course covers addition, subtraction, multiplication, and division of whole numbers, fractions, and decimals. The course also includes an introduction to percentages, ratio and proportion, estimation and solving applied math problems.

| | | | |
|----------------------|----------------|----|---------|
| MATH 065 G165 | 5 credits | | H301 |
| 9/16-12/14 | 8:00AM-10:30AM | MW | COOKSEY |

| | | | |
|----------------------|----------------|-----|------|
| MATH 065 G265 | 5 credits | | H206 |
| 9/17-12/10 | 2:45PM- 5:15PM | TTh | WALL |

| | | | |
|----------------------|----------------|-----|------|
| MATH 065 G365 | 5 credits | | H206 |
| 9/17-12/10 | 6:00PM- 8:30PM | TTh | WALL |

MATHEMATICS FOR THE HEALTH SCIENCES

Mathematics for the Health Sciences is an introductory course developed to introduce mathematics concepts related to a variety of fields in the health sciences. The content is designed to promote student success in mathematics and to develop problem-solving skills. Math topics covered include, but are not limited to: whole numbers, fractions, decimals, signed numbers, operations on numbers, ratios and proportions, percentages, geometry, introduction to graphs and graphing, simplifying algebraic expressions, solving linear equations, and statistics. Application topics covered include, but are not limited to: measurement systems (apothecary, household, U.S. customary and metric), conversions between measurement systems using proportions and dimensional analysis, dosage calculations, and a variety of health-related application problems. Prerequisite: acceptable scores on the COMPASS test.

| | | | |
|----------------------|----------------|----|------------|
| MATH 100 G250 | 5 credits | | J302 |
| 9/16-12/14 | 3:00PM- 6:00PM | MW | LESMEISTER |

| | | | |
|----------------------|----------------|-----|---------|
| MATH 100 G150 | 5 credits | | H304 |
| 9/17-12/10 | 6:00PM- 9:00PM | TTh | JOHNSON |

| | | | |
|----------------------|-----------|-----|---------|
| MATH 100 W410 | 5 credits | | ONLINE |
| 9/16-12/15 | ARR | ARR | BURRELL |



MATHEMATICS

PREALGEBRA

This course lays the foundation for the study of algebra. The topics covered include: whole number operations, fractions, decimals, percents, ratio and proportion, signed numbers, geometry, units of measurements, graphs, and statistics. This class is taught either in traditional lecture mode or through individually tailored, interactive computer instruction that provides the student's primary method of learning, with the instructor available to assist students on an individual basis during the class period. Prerequisites: placement by COMPASS or Math Placement Test.

| | | | |
|----------------------|----------------|-----|---------|
| MATH 075 G175 | 5 credits | | H301 |
| 9/16-12/14 | 8:00AM-10:30AM | MW | COOKSEY |
| MATH 075 G275 | 5 credits | | H206 |
| 9/17-12/10 | 2:45PM- 5:15PM | TTh | WALL |
| MATH 075 G375 | 5 credits | | H206 |
| 9/17-12/10 | 6:00PM- 8:30PM | TTh | WALL |

APPLIED MATHEMATICS FOR BUSINESS AND INDUSTRY

This course covers mathematics and its applications in business and industry. Instruction includes coursework in mathematics, with additional time devoted to studying appropriate applications, which vary based on student needs. This class is taught either in traditional lecture mode or through individually tailored, interactive computer instruction that provides the student's primary method of learning, with the instructor available to assist students on an individual basis during the class period. Prerequisites: placement by COMPASS or Math Placement Test.

| | | | |
|----------------------|----------------|-----|---------|
| MATH 101 G101 | 5 credits | | H301 |
| 9/16-12/14 | 8:00AM-10:30AM | MWF | COOKSEY |
| MATH 101 G201 | 5 credits | | H206 |
| 9/17-12/10 | 2:45PM- 5:45PM | TTh | WALL |
| MATH 101 G301 | 5 credits | | H206 |
| 9/17-12/10 | 6:00PM- 8:30PM | TTh | WALL |

BEGINNING ALGEBRA

This introductory course in algebra covers the following topics: review of selected pre-algebra topics; introduction to set theory and the real numbers; algebraic expressions; linear equations in one variable and their applications; linear inequalities; introduction to graphing; systems of two equations in two unknowns and their applications; systems of inequalities; polynomial operations. This class is taught either in traditional lecture mode or through individually tailored, interactive computer instruction that provides the student's primary method of learning, with the instructor available to assist students on an individual basis during the class period. Prerequisite: completion of MATH 075 with a 2.0 or higher or placement by COMPASS or Math Placement Test.

| | | | |
|----------------------|----------------|-----|---------|
| MATH 085 G185 | 5 credits | | H301 |
| 9/16-12/14 | 8:00AM-10:30AM | MW | COOKSEY |
| MATH 085 G285 | 5 credits | | H206 |
| 9/17-12/10 | 2:45PM- 5:15PM | TTh | WALL |
| MATH 085 G385 | 5 credits | | H206 |
| 9/17-12/10 | 6:00PM- 8:30PM | TTh | WALL |



APPLIED ALGEBRA FOR BUSINESS AND INDUSTRY

This course covers algebra and its applications in a variety of programs. Instruction includes coursework in algebra, with additional time devoted to studying appropriate applications, which vary based on student needs. This class is taught either in traditional lecture mode or through individually tailored, interactive computer instruction that provides the student's primary method of learning, with the instructor available to assist students on an individual basis during the class period. Prerequisite: completion of MATH 075 with a 2.0 GPA or higher or placement by COMPASS or Math Placement Test.

| | | | |
|----------------------|----------------|-----|---------|
| MATH 102 G102 | 5 credits | | H301 |
| 9/16-12/14 | 8:00AM-10:30AM | MWF | COOKSEY |
| MATH 102 G202 | 5 credits | | H206 |
| 9/17-12/10 | 2:45PM- 5:45PM | TTh | WALL |
| MATH 102 G302 | 5 credits | | H206 |
| 9/17-12/10 | 6:00PM- 9:00PM | TTh | WALL |

INTERMEDIATE ALGEBRA

This course covers the following topics in algebra: review of selected elementary algebra topics; factoring polynomials; rational expressions; rational exponents and radicals; quadratic equations and complex numbers; functions and their graphs, and various non-linear equations. This class is taught either in traditional lecture mode or through individually tailored, interactive computer instruction that provides the student's primary method of learning, with the instructor available to assist students on an individual basis during the class period. Prerequisite: completion of MATH 085 with a 2.0 or higher or placement by COMPASS or Math Placement Test.

| | | | |
|----------------------|----------------|-----|---------|
| MATH 095 G195 | 5 credits | | H301 |
| 9/16-12/14 | 8:00AM-10:30AM | MW | COOKSEY |
| MATH 095 G395 | 5 credits | | H206 |
| 9/17-12/10 | 6:00PM- 8:30PM | TTh | WALL |
| MATH 095 G295 | 5 credits | | H206 |
| 9/19-12/10 | 2:45PM- 5:15PM | TTh | WALL |

LECTURE-BASED INSTRUCTION

| | | | |
|----------------------|----------------|-----|---------|
| MATH 095 G495 | 5 credits | | H301 |
| 9/17-12/10 | 11:30AM-2:00PM | TTh | COOKSEY |

COLLEGE ALGEBRA

This course covers the following topics: functions and graphing; logarithmic and exponential functions; theory of equations; nonlinear systems of equations; conic sections; topics in linear algebra; induction, sequences and series; combinatorics and probability. This class is taught either in traditional lecture mode or through individually tailored, interactive computer instruction that provides the student's primary method of learning, with the instructor available to assist students on an individual basis during the class period. Prerequisite: completion of MATH 095 with a 2.0 or higher or placement by COMPASS or Math Placement Test.

| | | | |
|---------------------|----------------|-----|---------|
| MATH110 G110 | 5 credits | | H301 |
| 9/16-12/14 | 8:00AM-10:30AM | MW | COOKSEY |
| MATH110 G210 | 5 credits | | H206 |
| 9/17-12/10 | 2:45PM- 5:15PM | TTh | WALL |
| MATH110 G310 | 5 credits | | H206 |
| 9/17-12/10 | 6:00PM- 8:30PM | TTh | WALL |



PRE-CALCULUS I

Elementary functions, their graphs and transformations of their graphs, with applications to mathematical modeling. Examples include linear, quadratic, polynomial, rational, exponential, logarithmic, composite functions, and inverse functions. Prerequisite: completion of MATH 095 with a 2.0 or higher or placement by assessment.

| | | | | |
|---------------------------|----------------|-----|--|---------|
| MATH& 141 G141 | 5 credits | | | H301 |
| 9/16-12/14 | 8:00AM-10:30AM | MW | | COOKSEY |
| MATH& 141 G241 | 5 credits | | | H206 |
| 9/17-12/10 | 2:45PM- 5:15PM | TTh | | WALL |
| MATH& 141 G341 | 5 credits | | | H206 |
| 9/17-12/10 | 6:00PM- 8:30PM | TTh | | WALL |

INTRODUCTION TO STATISTICS

This course is an introduction to statistics and how it may be applied in the analysis of numerical data. It includes the following topics: structure of data sets, central tendency, dispersion, means, standard deviation, correlation, regression, binomial and normal probability distributions, sampling methods and hypothesis testing. Prerequisite: completion of MATH 095 with a 2.0 or higher, or placement by COMPASS or Math Placement Test.

| | | | | |
|---------------------------|----------------|-----|--|---------|
| MATH& 146 G246 | 5 credits | | | H301 |
| 9/17-12/15 | 8:00AM-10:30AM | TTh | | COOKSEY |
| MATH& 146 G146 | 5 credits | | | H301 |
| 9/16-12/14 | 6:00PM- 8:30PM | MW | | STAFF |

NUTRITION

HUMAN NUTRITION

This course provides with information pertaining to the functions of nutrients in the body and the physiologic processes involved in digestion and absorption. Topics covered include anatomy and physiology of digestion and absorption; specific utilization of carbohydrates, protein, and fats; vitamin and mineral supplements. Other topics include factors that govern nutrient requirements, and the impact of diet on health and disease. Basic principles of chemistry, biology, and physiology are applied to the study of nutrition. This course is suggested for students majoring in nursing or other health-related areas.

| | | | | |
|---------------------------|----------------|-----|--|--------------|
| NUTR& 101 G909 | 5 credits | | | H306 |
| 9/17-12/11 | 2:00PM- 4:30PM | MW | | BABEL |
| NUTR& 101 W458 | 5 credits | | | ONLINE |
| 9/16-12/15 | ARR | ARR | | COLLIN-CLAUS |

PSYCHOLOGY

GENERAL PSYCHOLOGY

General Psychology surveys the knowledge and methods of the discipline of psychology. Emphasis is placed upon application of psychological knowledge to daily situations, and upon accessing and assessing information from a variety of sources about behavior. Skills in scientific reasoning and critical thinking are developed during this course. Areas of psychology to be included are: research methods, neuroscience, human development, sensation, perception, consciousness, learning, memory, cognitive processes, intelligence, motivation, emotion, personality, psychological disorders, psychotherapy, stress and health, and social psychology. Basic computer and keyboarding skills strongly recommended.

| | | | | |
|---------------------------|----------------|-----|--|-----------|
| PSYC& 100 G124 | 5 credits | | | C107 |
| 9/16-12/14 | 8:00AM-10:30AM | MW | | BIGELOW |
| PSYC& 100 G120 | 5 credits | | | H311 |
| 9/17-12/10 | 2:45PM- 5:15PM | TTh | | STAFF |
| PSYC& 100 G126 | 5 credits | | | H311 |
| 9/17-12/10 | 6:00PM- 8:30PM | TTh | | BERKSHIRE |
| PSYC& 100 W422 | 5 credits | | | ONLINE |
| 9/16-12/15 | ARR | ARR | | FOWERS |

DEVELOPMENTAL PSYCHOLOGY

This course covers the concepts of human life span development in psychology and research from the prenatal stage to end of life experiences. Life span development includes socio-emotional, cognitive, and physiological development. Included are the influences on human development by such factors as biology, life experiences, family, and culture. Each individual, although unique follows a process that is affected by primary caregivers, siblings, extended family, teachers, friends, partners, and events. Emphasis will be on understanding human development and the influences of family and culture that includes ethnicity, beliefs, family structure, traditions, and gender.

| | | | | |
|---------------------------|-----------|-----|--|-----------|
| PSYC& 200 W420 | 5 credits | | | ONLINE |
| 9/16-12/15 | ARR | ARR | | BERKSHIRE |

SPEECH & COMMUNICATION

SPEECH & COMMUNICATION FOR SECOND LANGUAGE STUDENTS

Improve your professional communication skills through formal and informal practice and presentations. You learn to speak more clearly and confidently, reduce your accent, interact more effectively with people from other cultures, increase your understanding and become a better listener, and be more successful in job interviews, briefings, team meetings, and other professional contexts. Prerequisite: successful completion of ESL Level 4.

| | | | | |
|----------------------|---------------|----|--|-------|
| CMST 098 G198 | 5 credits | | | H212 |
| 9/16-12/14 | 2:45PM-5:15PM | MW | | EYLER |

SPEECH COMMUNICATION

This course studies the fundamentals of the communication process and applies them to personal and workplace relationships. Emphasis will be on applying communication theory to interviewing, small group discussions and public speaking. Students will be required to prepare and give oral presentations.

| | | | | |
|---------------------------|----------------|-----|--|---------|
| CMST& 101 G114 | 5 credits | | | H310 |
| 9/16-12/14 | 2:45PM- 5:15PM | MW | | STAFF |
| CMST& 101 G112 | 5 credits | | | H310 |
| 9/16-12/14 | 6:00PM- 8:30PM | MW | | EDWARDS |
| CMST& 101 G116 | 5 credits | | | H310 |
| 9/17-12/10 | 8:00AM-10:30AM | TTh | | EDWARDS |

