

The following is a list of common general electives College of Health Sciences students have chosen in the past.

This list is not meant to be exhaustive or prescriptive - it is a starting place to give you ideas of what to consider!

<i>Course</i>	<i>Title</i>	<i>Credits</i>	<i>Course Description</i>
MARQ 1040	Career Exploration	1	As career planning is an important step toward academic success and job satisfaction, this course is designed to help students assess their interests, skills, values, personality characteristics, investigate career possibilities, and learn how to use a wide variety of resources in their career search. Students will participate in self-discovery activities and learn about sound career decision making strategies as well as the world of work.
Business Related			
ECON 1103	Principles of Microeconomics (not for BUAD minors)	3	Institutions and processes of market specialization and exchange. Supply and demand and their determinants. Pricing and production decisions of the firm under varying competitive conditions. The role of government in a modern mixed economy. Microeconomic analysis applied to selected economic problems.
MATH 1400	Elements of Calculus (for STEM MBA)	3	The basic concepts and techniques of differential and integral calculus. Applications and examples chosen primarily from economics, biology, the social and behavioral sciences and business. Prereq: MATH 1100 or equivalent. Equivalent is three years of college preparatory mathematics.
MATH 1410	Calculus for Biological Sciences	3	Fundamental concepts and techniques of differential and integral calculus, logarithmic, exponential and trigonometric functions, examples and applications from biology and medicine. Prereq: MATH 1100 or equivalent. Equivalent is three years of college preparatory mathematics.
MATH 1450	Calculus I	4	Functions of one variable, limits and continuity. The derivative and the definite integral with applications. Prereq: MATH 1101 or equiv. Equivalent is three to four years of college preparatory mathematics including topics listed in description of MATH 1101 (precalculus mathematics including trigonometric functions and their properties, trigonometric identities and equations, applications of trigonometry, vectors, polar coordinates, exponential and logarithmic functions, and conic sections). Has lecture and discussion.
PURE 1800	Public Relations Principles	3	Principles, history, theory and practice of public relations in business, organizations and agencies. Analyses of public relations programs; the responsibility of the public relations practitioner to management and to relevant publics; ethics of public relations practice; the future of the field and career opportunities.
Humanities			
HIST	Various		A variety of 1000 and 2000 level course offerings are available and open to freshmen
PHIL 1000	Logic	3	The goal is to provide the student with an understanding of correct reasoning as it is employed in ordinary discourse. Studies topics such as: terms and propositions, definition, opposition, induction and deduction, reasoning and argumentation, fallacies in argument. Recommended to be taken as a freshman. <i>This is a course we recommend for pre-med students. The content will help prepare for the critical reasoning section of the MCAT.</i>
THAR 2020	Theatre Appreciation	3	Introduces the student to the experience of theatre and seeks to give an understanding of theatrical history and practices, and a deepening appreciation of theatre as an art. In addition to a textbook, students are required to purchase tickets for a number of theatrical performances that the class attend. All tickets are negotiated at a group rate.
Introductory Science			
BIOL 1410	Biology of Human Disease (biological sciences cognate for SPPA)	3	Explores human physiology in relationship to health and disease. Topics include the cardiovascular system, heart disease, the immune system, infectious diseases, cancer, drug addiction, the brain and neurodegenerative disorders such as Alzheimer's disease. Emphasis on understanding scientific reporting and critically assessing the value and importance of published findings. Students are required to research, analyze and critique an independent topic based on science in the news. Designed for nonscience students and Biological Science for Education majors. Does not fulfill major requirements for other biological science majors.
BIOL 1420	Environmental Biology (biological sciences cognate for SPPA)	3	Intended for non-science majors and covers topics in global ecology and sustainability, from fossil fuels, greenhouse gasses, housing, food production and water. Challenges students to draw on their introspective skills to form positions for use in class discussions and debates. Explorations of ethical and spiritual issues surrounding topics provide a framework for deeper discussions in the tradition of Jesuit education.
PHYS 1007	Survey of Meteorology	3	An introduction to the science of the atmosphere as it relates to the weather of the earth, including important environmental issues such as global warming and air pollution. Topics include: atmospheric gasses, heat transfer, causes of the seasons, humidity, clouds, atmospheric stability and motions, air masses, fronts, and pressure systems, thunderstorms, tornados, hurricanes and weather forecasting.
PHYS 1008	Astronomy and Space Physics	3	Physics of the solar system, stars, galaxies and the universe. Experimental methods of observational astronomy, telescopes, and space probes. Special topics such as black holes, neutron stars and quasars are covered.
PHYS 1009	Earth and Environmental Physics	3	Impact of human activities on the environment, especially the consumption of fossil fuels. Population distribution and growth. Energy balance of the earth. Energy, land and water use, the water cycle. Effects of chemical and physical pollutants on water and the atmosphere. Course designed for non-science majors.
Language and Literature (no prior study required)			
ARBC 1001	Elementary Arabic 1	3	Introduction to fundamentals of Modern Standard Arabic, including basic grammar, pronunciation and writing system. Emphasis on development of basic language skills: reading, writing, speaking, listening and comprehension. Open to students with no previous study of Arabic; or by departmental placement.
CHNS 1001	Elementary Chinese 1	4	Introduction to fundamentals of Mandarin Chinese, including basic grammar, pronunciation and Chinese characters, with emphasis on reading, writing, speaking, listening and comprehension. Open to students with no previous study of Chinese or by departmental placement.

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Language and Literature (no prior study required) continued			
GREK 1001	Elementary Greek 1	4	Morphology and syntax of Attic Greek of the 5th-4th centuries B.C., the basis for all later literary dialects, such as Hellenistic and Koine (the language of the New Testament), and extending into the Byzantine period. Grammar exercises and readings of original texts. Open to students with no previous study of Greek or by departmental placement.
GRMN 1003	Intensive Elementary German	4	First year German course, and the first course in the core language sequence. Development of listening, speaking, reading, and writing in German. Cultural awareness is developed through exposure to a wide range of authentic texts and materials. Emphasis on communicative practice and interaction in German. No previous German experience is required. Prereq: No previous German; or by departmental placement.
ITAL 1001	Elementary Italian 1	4	Introduction to the Italian language Fundamentals of comprehension, speaking, reading and writing. Open to students with no previous study of Italian; or by departmental placement.
LATN 1001	Elementary Latin 1	4	Introduction to Latin morphology and syntax, with graded readings and cultural information. Open to students with no previous study of Latin; or by departmental placement.
SPAN 1003	Intensive Elementary Spanish	4	First-year Spanish course, and the first course in the core language sequence. Development of listening, speaking, reading, and writing in Spanish. Cultural awareness is developed through exposure to a wide range of authentic texts and materials. Emphasis on communicative practice and interaction in Spanish. No previous Spanish experience is required. Students may not also receive credit for either SPAN 1001 or SPAN 1002. Prereq: No previous Spanish, or by departmental placement. Not open to native or heritage speakers of Spanish.
LLAC 1001	Introduction to Latinx Studies	3	Course is taught in English. No prerequisites.
LLAC 4931	Chinese Culture thru Films	3	Course is taught in English. No prerequisites.
Performing Arts: Dance and Music			
DANC 2120	Modern Dance 1	3	Emphasis will be placed on fundamental modern dance techniques. No previous dance needed. Offered fall term.
DANC 2220	African Dance 1	3	Emphasis will be placed on fundamental African Dance techniques. No previous dance needed.
DANC 2420	Tap Dance 1	3	Emphasis will be placed on fundamental tap dance techniques. No previous tap dance needed.
MUSI 1100	University Chorus	0 or 1	The University Chorus meets twice weekly and presents at least two major performances per term. The choir is comprised of three major components offering a singing opportunity to ALL interested singers. Literature encompassing a large variety of styles and genres is performed. Placement interviews are held the first three days of each new term. New singers to the program are asked to be registered in either the 0 credit or 1 credit section prior to their placement interview. Returning singers are not required to do an additional placement interview and are asked to be registered in either the 0 or 1 credit section prior to the first rehearsal. Rehearsals begin the first Thursday of each term. 0 credit will be SNC/UNC grade assessment; 1 credit will be graded on A-F scale. Contact instructor after registration for more information regarding placement.
MUSI 1120	Liturgical Choir	0 or 1	Choir members concentrate on Liturgical music in rehearsals and concert performances. 0 credit will be SNC/UNC grade assessment; 1 credit will be graded on A-F scale.
MUSI 1140	Chamber Choir	0 or 1	An auditioned choir of elite and dedicated singers, both women and men, who meet twice weekly. The choir rehearses a large variety of styles and genres. Members are selected from Marquette University Chorus. Auditions are held during the first three days of the fall and spring term. SNC/UNC grade assessment for 0-credit; graded assessment for 1-credit.
MUSI 1160	Gospel Choir	0 or 1	Open to all students who qualify through audition held during fall registration week. Audition. 0 credit will be SNC/UNC grade assessment; 1 credit will be graded on A-F scale.
MUSI 1200	Symphonic Band	0 or 1	Open to all students interested in continuing their musical pursuits. All symphonic band instrumentation and skill levels are welcome. Pep band members will be recruited from the symphonic band. Performances will include all home basketball games (for pep band) and at least one formal concert each term (for symphonic band). Literature for symphonic band will be selected from all periods of music history while pep band literature will include appropriate high energy arrangements representing all areas of pop, rock and jazz. There are also possibilities of organizing ensembles for more playing experience, depending on interest and time. Some university owned instruments are available. Annual fall audition is held for chair placement only - contact instructor after registration for more information regarding auditions. No one is denied admission. 0 credit will be SNC/UNC grade assessment; 1 credit will be graded.
MUSI 1210	Wind Ensemble	0 or 1	The Wind Ensemble is Marquette's advanced wind and percussion group. The wind ensemble performs high-level wind and band music from all historical eras at high level of musicianship and artistry. The wind ensemble performs two concerts per semester. 0 credit will ber SNC/UNC grade assesment; 1 credit will be graded on an A-F scale. Prereq: An audition for placement within the wind ensemble is required. Contact instructor after registration for more information regarding placement.
MUSI 1220	Jazz Ensemble	0 or 1	Open to all interested students. Literature to include hits from the big band swing era through current jazz standards. Performances include at least one formal concert per term. 0 credit will be SNC/UNC grade assessment; 1 credit will be graded on A-F scale. Contact instructor after registration for more information regarding placement.

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Performing Arts: Dance and Music continued			
MUSI 1300	Symphony Orchestra	0 or 1	Open to all students, faculty, and alumni interested in continuing their music pursuits. All orchestra instrumentation and skill levels are welcome. Literature will be selected from all periods of music history. Performance will include at least one formal concert per term. Some university owned instruments are available. 0 credit will be SNC/UNC grade assessment; 1 credit will be graded. Contact instructor after registration for more information regarding placement.
MUSI 2020	Appreciation of Music	3	An introductory course designed for the non-music major who wishes to develop musical perception through the development of more acute listening techniques, <u>and structured to emphasize elements of musical style and their development in an historical context.</u>
MUSI 2440	History of Jazz	3	Traces the colorful history of Americas unique contribution to music, jazz, from its roots in African and European music of the nineteenth century to the fully-developed and many-faceted art form it is today. <u>Many recorded musical examples and first-hand interviews highlight the lectures.</u>
MUSI 2500	Music Theory 1	3	An introductory course designed for the non-music major who wishes to learn the fundamentals of musical notation, scale construction, intervals, chords, the writing of elementary harmonic progression, and basic techniques of traditional harmony.
Social Sciences			
ADVE 1400	Advertising Principles	3	An overview of advertising as it relates to marketing and mass media. The course examines the advertising industry, including advertisers, advertising media and ad agencies, advertising history, its social and economic effects, advertising law and ethical standards. Students are introduced to the advertising planning process: product, market and consumer research, creative and media strategy, production of messages and evaluation of advertising effectiveness.
ANTH 2401	Archaeology and Prehistoric Cultures	3	Fundamentals of archaeology, the study of past cultures through their material remains. Focuses on methods used to identify, date, interpret and conserve archaeological data. Discussion of how theory, historical developments, contemporary issues and ethical concerns shape fieldwork, laboratory analyses and cultural reconstructions.
COMM 1200	Media in Society	3	Surveys the historical, economic and cultural development of the mass media in America. Introduces the theoretic approaches utilized to understand the media's role in society.
COSC 1010	Intro. to Software Development	4	Introduction to abstraction, algorithmic thinking, simulation and testing for computer-based problem solving. Students learn a high-level programming language and use tools developed by computer scientists and software engineers to solve problems. No prior programming experience is assumed. 3 hrs. lecture, 2 hrs. lab. Prereq: Two years of college preparatory mathematics.
COSC 1000	Introduction to Computer Science	3	Introduction to the science behind today's computerized society. Emphasis placed on understanding the breadth and current status of computer science rather than the development of skills. Topics include machine architectures, operating systems, networking, algorithms and their development, programming languages, artificial intelligence, data representation systems, and the impact computing has on culture and society. (Previous computer experience is not required.) Prereq: Two years of college preparatory mathematics.
CRLS 1001	Introduction to Criminology	3	Survey of recent trends in crime and delinquency. The nature of and societal reaction to criminal behavior. Personal and social factors in crime causation. Critical analysis of criminological theories as well as the operation of criminbal justice agencies.
EDUC 1000	Educational Inquiry 1: Critical Perspectives on Education	3	Addresses fundamental questions about the role of schooling and education and examines the role of race, class, sexuality, gender, language and ability in acces to and quality of educational experiences. Twenty (20) hours of service learning are required.
EDUC 1800	Theory and Practice in Coaching Team Sports	2	Principles and problems of coaching team sports. All major team sports are reviewed. Open to all students in the university.
FILM 2620	History of American Film	3	Traces the development of film as a distinctive mode of communication and an important art form within societal and theoretical contexts. Emphasis on films and the film industries of the United States.
POSC 2201	American Politics	3	Problems of organizing and using governmental power at the national level. The principles of the U.S. Constitution. The Presidency, Congress and the federal judiciary. Public opinion, elections, political parties and interest groups. Issues of public policy.
POSC 2401	Comparative Politics	3	Types of government, ranging from democratic to totalitarian. The parliamentary alternative to presidential democracy. Political modernization and revolution.
POSC 2601	International Politics	3	Patterns of interaction among nations and subnational and supranational entities. Cooperation and conflict. National interest, elements of power and war. Morality and human rights issues; economic, environmental, and resource issues in world politics. Recent developments and their impact.
PSYC 1001	General Psychology	3	Introduction to scientific psychology: biological bases of behavior; perception; principles of learning; intelligence and personality testing; current theories of personality; conflict, adjustment and mental health; interpersonal relations; social processes; applications of psychological principles to human affairs. NOTE: We caution against the combination of BIOL 1001/CHEM 1001/PSYC 1001 first semester unless you have a strong background in Psychology. Do not enroll in this combination without consulting with an advisor.
PSYC 3101	Developmental Psychology: Conception Through Adolescence	3	Examines the developing human being from conception through adolescence. The concepts, methods, and theories relevant to the study of the developing child and adolescent are considered. Investigates the major physical, cognitive, social and emotional changes during the phase of the life course, as well as the genetic and contextual influences on development. Prereq: PSYC 1001 or equiv.