

MAJORS-AT-A-GLANCE

Arts and Sciences	It's the study of....	You'll like this if you...	It's great preparation for....	Look for schools that....
Anthropology	The history, biology, behavior and cultures of the world's people	Enjoy history and social sciences-want to get at the heart of why people act the way they do and how it affects social problems and world affairs-have an analytical mind	Cultural relations for international businesses-anthropology research and teaching-medical, law and graduate school-archaeology	Concentrate in cultural and biological anthropology- provide real field experience in the states and a chance to study abroad-allow you to work closely with experienced professors/instructors
Biochemistry	Structure and functional relationships among molecules within biological systems	Like biology <i>and</i> chemistry-are strong in science <i>and</i> math-like to work alone, enjoy lab work	Medical, dental and graduate school-biotechnology-pharmaceutical development and sales-food and drug research-environmental research and protection	Are Research I schools or have strong programs-Allows you to perform lab research along side of your professors-has research assistant opportunities-has adequate and <i>ideally</i> state-of-the-art lab facilities--have strong acceptance rates to medical schools
Biological Sciences	How organisms live and reproduce, focusing on the origin, history, habits, function and identification of plants and animals	Want to find out how and why living systems work-like biology-are strong in science and math-enjoy lab work	Medical, dental, law and graduate school- research and teaching- biotechnology-physiology-food and drug research and development-environmental protection-forensic medicine- business	Are Research I schools or have strong programs-Allows you to perform lab research along side of your professors or independently under faculty mentorship-have strong acceptance rates to accredited medical schools
Chemistry	The elements, composition, properties, reactions, and interactions of substances	Are strong in science and math-like chemistry-like research and respect accuracy-enjoy lab work and can work alone	Medical, dental, law and graduate school-chemistry research and teaching – pharmaceutical research and development	Are Research I schools or have strong programs-Allows you to work closely with professors in research or to conduct your own-exposes you to national research conferences
Computational Mathematics	Computer science and mathematics used to test theories and develop models that predict future actions and trends	Have a logical mind-understand abstract and complicated concepts-like mathematics <i>and</i> computers-are interested in testing computational models and mathematical theories	Software development-medical research-international banking and overnight delivery systems-consulting	Blend the best of computer science major with a math major <i>or</i> allows you to take major in one and minor in the other-has adequate networked computer labs with access-provides internships and paid co-ops
Computer Science	Computers an computer applications and the design and implementation of programs and systems	Like playing with computers- <i>enjoy</i> the logic of math-are a strong problem solver-have a creative and versatile imagination	Computer programming-systems analysis-database administration-consulting-engineering-biomedical sciences	Provide training in a variety of computer languages such as Java and C++-has quality labs equipped with workstations dedicated to programming, networking, etc. provides internships and co-ops
Criminal Justice & Law Studies	Criminal behavior, legal processes, law enforcement, court management and correctional treatments as they affect the rights of citizens	<i>Enjoy</i> social studies-are committed to freedom of others-the search for truth and social justice	Law school-law enforcement-investigative and correctional agencies-municipal, state and federal court systems-public administration-industrial security, policy and legislation	Offer rare programs like forensic science, and financial crimes investigation for more career options- offer internships with law enforcement agencies, courts, legal research, and govt.-acceptances in law school-job placement

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Economics	Human behavior as expressed in the production and distribution of goods, services and scarce resources	Excel in math <i>and</i> social studies- have a disciplined, analytical mind-are alert to and interested in society's economic problems	Economist-economics research and teaching-banking-investing- insurance firms-marketing and sales-government service-graduate school	Have real economist teaching classes-offer applied economic studies-strong acceptances into MBA programs-internships with corporate and government agencies
English	Major authors, genres and periods of literature; methods of critical and creative writing	Possess strong communication and writing skills- like English, history and/or social sciences- <i>enjoy</i> thinking and writing critically and creatively	Teaching-graduate, law and business school (MBA)-journalism-advertising and public relations-publishing companies-book editor-author-poet-rapper	Offer concentrations in literature, writing-intensive and teaching-has a campus newspaper, or yearbook-has writing labs-has English, writing, poetry clubs
Foreign Languages French German Spanish	The language, literature, and culture of each country	Like the language and culture- have strong written and spoken communication skills-are interested in studying abroad	Teaching in the states and abroad-multinational firms-international banks-foreign and government services-international relations-translating and interpreting-international news agencies-airlines, health	Provide small classes and computer assisted learning labs-offer study abroad opportunities-offer special courses in advanced translation when possible
History	Past human experience – politics, economics, religion, social issues, art – as a key to understanding the present	Enjoy history and reading-have a good memory and a logical, orderly mind-are interested in cultural studies	Teaching(including college)-law school-government services and politics-business-university administration-urban affairs and community relations museums	Offer concentrations in various histories including African and African-American studies
Interdisciplinary Majors				
African-American Studies	Historical, foreign, cultural and political facets of the African-American experience	Like social sciences and literature- intellectually curious-interested in the heritage	Graduate and law school-teaching (H.S. and college) - public administration-social work	Incorporate related majors like anthropology, political science, history, literature, philosophy, etc.
Applied Mathematical Economist	Mathematics incorporated with economics	Are strong in math-like to apply advanced math to economic problems-are mentally analytical-focuses on micro and macro economics	Graduate and law school-analysts-consulting-economist-insurance actuaries	Allows you to complete a double major in one-uses advanced computer labs for research and experimentation
International Affairs	Economics, cultures, history and political science in an interdisciplinary manner	Like history and current events- have strong language skills-interested in global community and national interdependence	Law, grad, and business school-govt. and private international organizations-teaching-business-broadcast journalism-advocacy policy and legislation-lobbying	Specializes in area studies (Latin, Russian, Asian,etc.), military, political and economic relations-provides study abroad and United Nation (UN) internship opportunities
Women's Studies	Gender class and race issues through literature, history and philosophy	Are interested in studying women's issues-like literature and social sciences-have a critical, questioning mind	Grad school, teaching (college) community and public relations-government/service agencies	Combine majors such as English, sociology, anthropology, or philosophy-weave together elements from the humanities, social and behavioral sciences

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Mathematics	Abstract objects and the structures in which they are found	Have a <i>strong</i> background in mathematics-like thinking critically and solving problems-like working with computers-have a strong imagination	Teaching-engineering-insurance actuaries-computer programming-creative arts-consulting	Apply knowledge to progressive areas like modern algebra, topology and biomathematical modeling-Use real-world problems with real-world case studies
Philosophy	The meaning of existence through pursuing questions about God, humanity, freedom, knowledge, ethics and values	<i>Enjoy</i> debate and civil argumentation-like tackling questions with difficult answers-have a logical and creative mind	Law, medical and graduate school, teaching, social work, government agencies	May focus on the development of philosophical thought or philosophy of community, state, and law
Physics	The fundamental laws of nature; the structure and properties of matter and its ultimate constituents; and the intricacies of physical processes	Are curious about natural phenomena and why/how things happen--like to experiment-like math and computation-have a logical and imaginative mind- like to challenge ideas	Graduate, medical, dental, and law schools, careers in industrial or government research and development, careers in teaching	Offer a variety of plans of study (e.g medical field, research, teaching)- allow you to participate in research,
Physiological Sciences	The processes, functions and activities of organisms as well as the anatomy, physiology and pathology of nervous systems	Are interested in the complexities of human physiological systems-like biology and chemistry	Medical, law, dental and graduate school, academic, industrial and health care research, pharmaceutical development and sales	Study nerve-cell communication, muscle contraction, hormonal regulation of reproduction, etc-have opportunities for research
Political Science	The structure and function of governments and the international interaction among states	Like social studies, history and current events-are fascinated by the uses of power in society-have <i>strong</i> communication skills	Medical, law, dental and graduate school, diplomatic and civil service, political journalism, politics, international business	Offer different concentrations American politics, international politics, or comparative politics- Provide internships with government
Psychology	The mental process and behaviors of humans and animals	Are fascinated by the complexities of human behavior-like math, sciences, and social sciences-are open-minded	Graduate, medical, dental and law school, individual, family, group, or school counseling, working in rehabilitation and welfare agencies, personnel management, consulting	Offer opportunities to do research and develop mentorship with faculty-have strong acceptance rates to accredited graduate and medical schools
Social Welfare & Justice	How to work, from the combined perspectives of criminology and social work, for justice with respect to contemporary social problems	Are interested in promoting justice and advocacy-have an interest in studying social problems-are open-minded and thoughtful-are a <i>strong</i> leader and communicator	Victim/witness advocacy, child welfare, victim services, lobbying, community activism, politics, government, law and graduate school	Concentrate in victim services and explore policies and laws that affect crime, victims of crime, certain groups of people-Prepares you for grad school in social work or counseling-Provide internships
Sociology Social Work Social Science	The dynamic patterns of human interaction and the behavioral, physiological and environmental factors that influence them	Like social sciences and math-are interested in dealing with social problems-are a <i>strong</i> communicator-like helping people	Graduate and law school, teaching and counseling, social service agencies, public opinion analysis, market research, mass communication, urban and environmental planning	Offer a Social Work program, not just Sociology or Social Science- Offer practical experiences- have strong acceptance rates to accredited graduate schools
Theology	The beliefs and practices of religious traditions	Like reading and writing-have an open mind and a willingness to consider new ideas-are a reflective person	Graduate and divinity school, Seminary, teaching, public policy and legislation, preaching, Christian education, ministry	Offer study in Christian, Judaic, and other religions with an inclusive approach to teaching theology-have a high placement rate in grad school

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Business Administration	It's the study of....	You'll like this if you...	It's great preparation for....	Look for schools that....
Accounting	Systems for recording, presenting and interpreting financial accounts for businesses, government and organizations	Have keen math and communication skills-are an analytical thinker-organize information well	Auditing for public and private firms, corporate accounting, working with entertainers and sports figures, taxation and government work graduate or law studies	May offer focus on ethics and communications the technical side of accounting-offer internships-have top companies recruiting from them-students go on to receive an M.B.A.
Business Economics	Human behavior as expressed in the production and distribution of goods, services and scarce resources (business-based major)	Like math and social studies-have a <i>disciplined</i> -analytical mind-are alert to society's economic problems	Economic research and teaching, banking, investing, insurance firms, marketing and sales, government service, graduate school, economists	Have real economists as instructors-emphasize applied economics-may offer accelerated or advanced dual degrees (earn a bachelors and masters in a shorter time period)
Entrepreneurship	How to start and run your own business	Want to start your own business-like being your own boss-are creative-have a broad interest in business functions like finance, marketing, accounting, etc.-believe you have a certain talent, skill, or idea that can tap into a certain or open up a new market- <i>believe in the value of taking risks</i>	Starting and running your own business, working with other entrepreneurs	Offer entrepreneurship as a major or strong concentration-offer mentorship and advising opportunities-has entrepreneurs as instructors-has a network of connections to the business and investment communities-offers practical hands-on experience instead of just theory
Finance	How businesses raise and invest funds, and how to analyze those practices	Are an analytical thinker with good math skills-enjoy solving problems-are interested in financial decision-making	Corporate finance, banking, lending and other financial institutions, brokerages and investment firms, management, individual consulting, graduate and law school	Use case studies to blend theory and practice-have faculty working in the field-offer internships- have top companies recruiting from them-students go on to receive an M.B.A.
Human Resources Management	How to keep a business competitive by enhancing employee skills, morale and productivity	Are a good communicator-enjoy working with people-want to help people and businesses succeed together	Human resource positions, management positions in business, non-profit organizations, government, music industry graduate studies in industrial relations, business, law	May help you build a network of business relationships through internships and student organizations
Information Technology	Computer hardware and software design installation and use for all aspects of business	Like using computer technology to solve problems-are good in math-enjoy organizing and developing systems-think analytically	Systems design and maintenance, project management, programming, systems analysis, computer science, graduate studies	Study every aspect of business so you'll understand how your skills work with others' skills-provides internships to practice your skills-has an adequate computer center
International Business	Business in a global economy with emphases on economic and cultural understandings	Have a <i>flair</i> for languages and have <i>extensive</i> pre-college study of a foreign language- <i>enjoy</i> relating with people from other cultures-want to take another business major into the global	Working first in a domestic business field, then moving into international placements	Offer study abroad opportunities to intern in other countries

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Marketing	Analyzing customer behavior to make decisions about product development, management, pricing, promotion and product distribution	market Are interested in what drives consumer decisions, and how companies respond to consumer choices-have <i>strong</i> analytical and communications skills	Advertising and promotion, music and recording industry, sales, product-distribution logistics, sports management, product planning, talent and literary agent, artist representation (A&R), market research, direct marketing, international marketing,	May offer an array of electives to specialize your studies-offer internship opportunities- have top companies recruiting from them-students go on to receive an M.B.A-offer other programs that compliment this major (e.g. advertising, public relations, broadcasting, communication studies, theatre arts, etc.)
Operations and Supply Chain Management	Effective organizational management, including motivation, leadership, group dynamics, quality, productivity, globalization and organizational structure	Want to motivate and lead people and organizations amid changing global economies-are interested in promoting continuous business improvement	Starting in a traditional business field, then advancing into operations and supply chain management positions	Have instructors whose research and teaching blend to keep you on top of the newest knowledge-provide internship opportunities- offer other programs that compliment this major (e.g. entrepreneurship or human resource management)
Real Estate	How to analyze, evaluate, finance, develop, and secure commercial real estate	Are an analytical and creative thinker- are a good communicator-are fascinated by land use and development-are an ethical decision-maker-would like to combine this major with Finance	Real estate development-commercial property management, commercial real estate brokerage, retail site selection, mortgage lending	Teach practical real estate application such as market analysis, financing and development-offer internship opportunities and connections to real estate networks.

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Communications	It's the study of....	You'll like this if you...	It's great preparation for....	Look for schools that....
Advertising	Copywriting, design and sales skills to create messages that move people to action	Have a creative imagination-are a <i>strong</i> communicator-are <i>good</i> at persuading others	Corporate and retail advertising, advertising agencies, media production, management, copywriting, design, research,	Teach advertising through print, radio, television, and Internet-provide onsite facilities for multi-media, offer internships
Broadcast & Electronic Communication	Commercial, cable and corporate uses of electronic media for news, entertainment, and information	Are energetic with a creative edge-interested in a dynamic field- like reporting information about sports, entertainment, politics, world events/issues, lifestyles	Radio, television, emerging media, cable communication, corporate communication, writing, reporting, production, broadcast journalism, performance, promotion, research, screenwriting, directing	Explore all forms of electronic mass communication-have a student ran radio, and television station-offer hand-on experience in freshmen year-provide internships in local and national media markets
Communication Studies	Human communication and how it can be applied to interpersonal, cross-cultural, conflict and organizational situations	Want to help people find creative solutions to communication needs-are highly motivated-enjoy working with people	Sales, marketing, conflict mediation, management, personnel, publicity, training and development, graduate or law studies	Emphasize communication in varied contexts: organizational, interpersonal, cultural, conflict situations, professional, etc.-blend theory with personal skills develop.
Journalism	The theories, practice and ethics of reporting and analyzing current events	Are a <i>good</i> writer-are interested in current events-love language-are alert, involved and energetic-have <i>strong</i> communication skills-have a <i>good</i> eye for detail-like writing about sports, entertainment, politics, world events/issues, lifestyles	Newspaper, magazines, web communication, publishing companies, communication professions in business and industry, public relations, law or graduate studies	Help you hone your reporting and editing skills-teaches you how to make sense of the news and the ethics of reporting it-have student run newspapers, yearbook-provide internships with local and national media groups
Public Relations	Writing, speaking, research, media relations, planning and other skills to help corporations, organizations, and individuals communicate with their constituents, consumers, the media, or the general public	Are imaginative and creative-are an <i>excellent</i> communicator-are a strategic and analytical thinker but still flexible and able to think on your feet-like problem solving- <i>good</i> at persuading people-understand the importance of image perception	Public relation firms, non-profit organizations, private businesses, educational institutions, health care agencies, government, sports associations, celebrities, image consulting, Web communication	Have on-site facilities for print and multimedia writing and design-offers programs that compliment this major (e.g. political science, fashion design/merchandise, advertising, marketing, broadcasting, sociology)-offer internships with local and national public relation firms

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Art Design	It's the study of....	You'll like this if you...	It's great preparation for...	Look for schools that....
Architectural Design	There are different focuses in Art Design that share a commonality of interest/skills. The art and science of building design by transforming needs into concepts, developing concepts into images and plans of buildings to be constructed	Are creative and artistic-have a strong sense of the esthetic-an eye for color and detail-a sense of balance and proportion- an appreciation for beauty- have excellent communication and problem-solving skills-computer and sketching skills-like being independent, free from rigid structure, and working for self Like art and history-are strong in math and science-are interested in problem solving-like to build things-have good communication and presentation skills	Real estate development, specialty building development, construction management, civil engineering, consulting, long range planning and development	courses in architectural history and theory, building design, structures, technology, construction methods, professional practice, math, physical sciences, design studio, internships, Offer 2 – 4 year degree program that combines artistic talent with research on the use of a product, on customer needs, marketing, materials, and production methods, offers internships or co-op experiences
Commercial/Industrial Design	Developing manufactured products such as such as automobiles, industrial or medical equipment, and home appliances	Like to combine practical knowledge with artistic ability-like to turn abstract ideas into formal designs for the merchandise we buy	Designing airplanes, cars, children's toys, computer equipment, furniture; home appliances, medical, office, and recreational equipment	Offer 2 – 4 year degree program that combines artistic talent with research on the use of a product, on customer needs, marketing, materials, and production methods, offers internships or co-op experiences
Fashion Design	Creating clothing apparel and accessories	Can think out the box-have a keen sense of fashion and predicting rising fashion trends-like to turn abstract ideas into formal designs	Designing high and low fashion for regular to celebrity individual clientele, specialty or department stores, apparel manufactures. Being a fashion buyer, personal stylist, model merchandise displayer, or window dresser	Offer 2 – 4 year degree program with training in the areas of textiles, fabrics, and ornamentation, and about trends in the fashion world. Offers internships and co-ops, has connections into the fashion business both design and retail
Floral Design	Creating floral arrangements by cutting and arranging live, dried, or artificial flowers and foliage into designs	Have a "green thumb"-like horticulture-are creative and artistic- easily-understand how objects can be arranged in a set space	Florist worker or shop owner, event planner, independent distributor that grows and sells flowers, personal home and commercial design, consulting, merchandise display and window dressing	Offer programs in floral design, usually lasting less than a year, or 2- and 4-year programs in floriculture, horticulture, floral design, or ornamental horticulture. Floral design can be learned w/out a degree by work experience.
Graphic/Digital Design	Applying artistic and computer techniques to the interpretation of technical and commercial concepts	Like art and using computer software to design new images or to modify existing ones-are good at working with copy layouts	Web design, consultation, printing shop design, multimedia publishing, animation. Commercial art director, work in newspapers, magazines, television, packaging,	Offer illustration, painting, and sculpture, programming, visual story telling, interface design, animation, 3-D modeling,as well as graphic design
Interior/Visual Design	Applying artistic principles and techniques to the professional planning, designing, equipping, and furnishing of residential and commercial interior spaces	Understand how objects can be arranged in a set space	Personal home and commercial design, interior architecture design, consulting, set stage and lighting design, commercial buyer, event planner, furniture designer, store display design	Offers certification in your field, teaches you to think unconventionally collaboratively and gives constructive criticism, offers Interdisciplinary classes, internships and co-ops to build your portfolio
Set Design	Applying research from historical period, fashion, and architectural styles, scripts, to produce sketches or scale models to guide in the construction of the actual sets or exhibit spaces.	Understand how objects can be arranged in a set space	Set designing for movie, television, and theater productions, Exhibit designing for museums, art galleries, and trade shows	Develop your skills in every creative and technical field of art design, offers Interdisciplinary classes, offers internships and co-ops to build your portfolio arts community. Set design can also be learned from hands-on experience.

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Performing Arts	It's the study of....	You'll like this if you...	It's great preparation for....	Look for schools that....
Music Composition	The development of skills, concepts, and sensitivities essential to musicianship	Are creative and artistic-like creating music, arranging vocal and instrument sounds-can learn to read and write music-have strong computer and technology skills	Songwriting and music arrangement for individuals, choral groups, bands, symphonies, operas, film scores, radio and TV jingles, music productions, musical director	Have a strong music program, or specialize in performing arts. Combine technical training with a practical approach. Offer courses in music theory, vocal harmony, tonality, modern techniques, orchestration. Provides internships/ co-ops, connections to music world.
Vocal Performance	The interpretation and performance of music, based on knowledge of voice production, melody, and harmony	Enjoy singing-are interested in learning different vocal styles and music genres-want to develop your vocal range-enjoy performing on stage individually or in groups-like to read or write music-don't mind working late hours-don't mind spending long hours in rehearsal-don't mind irregular employment	Recording artist, musical theater performer, opera singer, choral singer, band singer, songwriter, musical arranger, vocal coach, music teacher, music director	Have a strong music program, or specialize in performing arts. Combine technical training with a practical approach such as working on stage, solo and ensemble techniques. Provides internships/ co-ops, connections to music world.
Instrumental Performance	The interpretation and performance of music utilizing a specific or variety of string, brass, woodwind, or percussion instruments or electronic synthesizers	Enjoy listening to or playing live music-interested in learning about and using musical instruments-like creating and arranging instrument sounds-don't mind working late hours-don't mind spending long hours in rehearsal-don't mind irregular employment	Songwriter, recording artist, musical arranger, producer, house band musician, symphony orchestra, music teacher, music director	Have a strong music program, or specialize in performing arts. Combine technical training with a practical approach such as working on stage, solo and ensemble techniques. Provides internships/ co-ops, connections to music world.
Interdisciplinary Majors	Below is a listing of possible careers that can stem from the study of music. Combined with other majors one could explore a whole world of possibilities.			
Business Administration	Promote bands and musicians(concert promoter) – Run your own music store – Manage bands and orchestras – Direct radio programs – Run a dance club – Sell or distribute musical instruments – Be a copyright and licensing administrator – Be a talent scout – Develop new artist and talent – Run your own record company – Run your own record distribution label			
Journalism/ Communications	Write articles on musicians – Critique and write concert reviews for publication – Become a radio DJ – Become a music editor for a print, TV, radio, or online company – Publish music, books, or magazines – Become an artist's Public Relations (PR) person – Teach artist media skills (image, writing, speaking, etc.)			
Law	Become an entertainment lawyer – Write contracts for musicians – Become a musician's agent			
Psychology or Medicine	Become a music therapist – Be a physical therapist for performing artists – Become a psychologist, plastic surgeon, physician (ear, nose, and throat ENT doctor) working with performance artist			
Education	Teach music to students in elementary, high school, or college – Conduct a high school or college band – Provide private lessons to individuals – Work as a music librarian – Be a music researcher or historian – Be a culture historian and critic			
Technology/ Engineering	Make musical instruments – Make musical production equipment – Repair musical instruments – Tune pianos – Work as a sound editor or a sound technician – Develop music production software			

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Fine/Visual Arts	It's the study of....	You'll like this if you...	It's great preparation for....	Look for schools that....
Dance	Expressed ideas, stories, and rhythm through a variety of dance forms that allow free movement and self-expression, including classical ballet, jazz, modern dance, and culturally specific dance styles	Like expressing yourself through free movement-are self-disciplined, have patience, perseverance, and a devotion to dance-have good health and physical stamina- have flexibility, agility, coordination, grace, a sense of rhythm, a feeling for music-enjoy performing	Solo or ensemble performance, music and theater productions, choreography, back up dancer, music videos, dance instructor, performance critic	Offer challenging technique courses across a range of styles, combined with the study of improvisation, composition, dance history and theory, music and technical theater, have performance opportunities, connections in the world of dance. Dance does not always require educational training.
Theatre Arts	Informing and entertaining people through storytelling-acting, set and costume design, direction, technical support	Are artistic and creative-appreciate and have a flair for the performing arts	Acting, playwright, designing, painting, singing, dancing, directing, choreographing, graduate studies, casting agent, stage manager	Develop your skills in every creative and technical field of theatre, have an adequate to fully equipped campus theatre-produce regular student-led performances-may provide traveling theatre experiences or internships in the performance arts community
Visual and Multimedia Arts	Art to communicate ideas, thoughts, or feelings through use of a variety of methods including painting, sculpting, or illustration, or graphic designs	Are artistic and creative-like to draw, paint, or mix art mediums with various materials including oils, watercolors, acrylics, pastels, pencils, pen and ink, and plaster and computers	Studio artists, portrait artist, art critic, art buyer, muralist, art director, artist-in-residence, art administrator, sketch artist, sculptor, story board artist, cartoonist, illustrator (regular and children books), sketch artist, art cover designer, printmaker, set designer, jewelry maker, museum curator, art gallery manager or owner, movie animation, game artist, creative technologist, interface designer, programmer,	Is a specialty school if you are not interested in general courses, Have courses taught by professionals, expose students to a variety of artistic methods and mediums, provide studio time, internships, etc.

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Engineering	It's the study of...	You'll like this if you...	It's great preparation for...	Look for schools that....
Biomedical Engineering (Biocomputing)	Computer engineering applied to medical and biological information devices	Are <i>strong</i> in math, science and computers-like working with computers-want to develop computer products and medical devices that help diagnose and treat medical and biological problems	Implantable medical device design, diagnostic equipment development, <i>research and development engineering, regulatory positions in government and industry, medical, dental, law, and graduate school*</i>	Provide hands-on work experience with manufactured medical devices-offer real engineering experiences through co-op programs
Biomedical Engineering (Bioelectronics)	Electrical engineering applied to medical/biological problems	Are <i>strong</i> in math and science-like working with electronics-want to develop patient diagnostic equipment like CAT scanners and MRI machinery	Medical software development, <i>*same careers and post graduate studies as indicated above in bold italics</i>	Provide hands-on work experience with specialized imaging labs- offer real engineering experiences through co-op programs
Biomedical Engineering (Biomechanics)	Mechanical engineering applied to medical/biological problems	Are <i>strong</i> in math and science-like working with mechanical objects-want to develop prosthetic devices, artificial organs and injury-reducing devices	Prosthetic and artificial organ development- <i>*same careers as indicated above in bold italics</i>	Provide hands-on work experience with specialized labs to study implantable electronic and prosthetic devices-offer real engineering experiences through co-op programs
Civil & Environmental Engineering	The planning, design and construction of roads, bridges, water treatment plants, airports and cities	Are <i>strong</i> in math and science-are interested in problem solving-have a creative, imaginative mind-like to build things	Planning design and construction, structural environmental and transportation engineering, management, consulting	Develop knowledge and skills in subdisciplines of construction, environmental, geotechnical and other types of engineering-offer hands-on experience through co-ops
Civil & Environmental Engineering (Environmental Engineering)	The planning design and construction of water supply and treatment systems, air pollution controls, waste management systems, and management of lakes, rivers, and streams	Are <i>strong</i> in math and science-are interested in problem solving-have a creative, imaginative mind-appreciate the environment	Environmental management for industry, regulatory positions in government and industry, engineering consulting, research an teaching in higher education	Offer a biology and chemistry degree focus relating to environmental restoration and natural resources management- offer hands-on experience through co-ops
Computer Engineering	Computer hardware and software system development	Are <i>strong</i> in math and science-enjoy working with computers, software, and programming	Software and hardware design and engineering, computer systems design and develop., product sales and management	Customize your studies-offer complimentary majors such as Computer Science and Information Technology
Electrical Engineering (Electrical and Computer)	The design and construction of computers and computer-based technology	Are <i>strong</i> in math and science-are interested in computer design and programming	Computer hardware and digital circuit design, research and development, computer and software design, programming	Specialize in control systems, computer hardware and software-offer hands-on co-op experiences
Electrical Engineering (Electrical and Electronic)	The processing and control of energy, power, and information through electronic equipment	Are <i>strong</i> in math and science-are interested electronic system design	Circuit design and development, product research and development, computer software and design, programming	Offer hands-on experience through co-ops
Mechanical Engineering	The production, distribution and operation of devices and systems for mechanical processes	Are <i>strong</i> in math and science-are interested in developing things like cars, aircraft, spacecraft, robotics and microrobotics	Automobile development, robotics, materials engineering, manufacturing, mechanical and energy systems	Offer labs for materials science, computer-aided design-offer hands-on experience through co-ops

MAJORS-AT-A-GLANCE

Engineering	It's the study of....	You'll like this if you...	It's great preparation for....	Look for schools that....
Health Sciences	It's the study of....	You'll like this if you...	It's great preparation for....	Look for schools that....
Athletic Training	Health care for the physically active through prevention, evaluation, and management and rehabilitation of athletic injuries	Are <i>skilled</i> in science-have an interest in sports-interested in health care-enjoy working with people	Sports medicine, certified athletic training for college and professional sports teams, personal training, graduate studies in physical or occupational therapy	Prepare you to be certified by the National Athletic Training Association-provide hands-on training in a training room through support of school athletic teams
Biomedical Sciences	Science to prepare you for medical or graduate studies in the health field, balanced with liberal arts to expand your mind	Are interested in the health field but not sure of your specific goals-are skilled in science, especially human sciences	Medical school, dental school, graduate studies in physical or occupational therapy, physician assistant studies or forensics	Offer courses and opportunities not usually available to undergrad students like pharmacology and pathology, or experiences like studying and dissecting human cadavers
Clinical Laboratory Sciences	The chemical and biological analysis of body fluids and tissues to help diagnose and treat diseases	Like the sciences, especially chemistry-want to help people through diagnostic work	Hospital, clinical and research labs, product development and sales for food, cosmetic and consumer-product industries, graduate, medical or dental schools, public health agencies and labs, pharmaceutical research, development and sales	Integrate clinical experience with your course work
Exercise Science	Health and fitness through combined courses in anatomy, kinesiology, physiology, nutrition and exercise	Are skilled in science-enjoy working with people-want to help people be healthy through exercise and wellness programs	Personal training, exercise instruction, graduate studies in physical or occupational therapy, sports medicine, physician assistant studies, anatomy, kinesiology or exercise physiology	Prepare you for a career in exercise science or professional school, develop a broad base of knowledge and skills to give your career flexibility in the changing health professions
Physical Therapy	Treating, rehabilitating and improving the confidence of people with injuries or disabilities	Excel in science, especially human sciences-enjoy working with people-are sensitive to people with special needs	Hospitals, rehabilitation centers, schools, nursing homes, outpatient clinics, home care, private practice	Have a strong PT program, begins PT courses and clinical work in 4 th year, provides clinical work
Physician Assistant Studies	Preparing to perform, under physician supervision, most of the duties commonly done by primary care physicians	Excel in science, especially human sciences-enjoy working with people-are an excellent communicator	Hospitals, clinics, medical centers	Offer opportunities to learn rotating clinical field areas, offer an accelerated masters program to go along w/bachelor's degree
Speech Pathology & Audiology	Helping people overcome speech, language and/or hearing disorders	Are interested in working with children or adults-are skilled in sciences (biology/physics)	Graduate school, special education, learning disabilities, deaf education	Offer preparation for professional studies, offer clinical practice on and off campus
Surgical Technician	Assisting in preparing operating rooms for surgery, by having surgical instruments, sterile bandages and linens, needed fluids, and other equipment ready for the operation	Have a strong eye for details-Like working with hand and equipment-interested in working in ER/OR-Want to assist physician in surgical procedures	Hospitals, outpatient and dental clinics, medical careers,	Offer surgical technology as a specialty, have a strong program with good job placement. Usually need only certification or Associate's degree in this field.

MAJORS-AT-A-GLANCE

Nursing	It's the study of....	You'll like this if you...	It's great preparation for....	Look for schools that....
Nursing General	Techniques and procedures for promoting health, providing care for sick, disabled, informed, or other individuals or groups.	Like science-enjoy helping people-have strong communication skills and a strong sense of character-are compassionate	Hospitals and clinics, home care, parish or school nursing, public and occupational health care, health care administration, research and teaching, medical school. See different opportunities below.	Offers varying degrees depending on the scope of nursing you want to practice. Have a strong program, high placement rate in accredited and quality grad programs. Offers clinical experience in such areas as maternity, pediatric, geriatric, and psychiatric health
Certified Nursing Assistant (CNA)	Minimal training. Mainly monitors patient vitals, provides hygienic care, and domestic assistance.	Like being a caregiver-working with the elderly or incapacitated-are very patient and friendly-don't mind cleaning bodily fluids	Hospitals, nursing homes, rehabilitation centers, home care, schools with students w/special needs.	Have strong medical career programs. Offer a diploma or Associates degree (ASN/AND). Have good job placement rate.
Licensed Practical or Vocational Nurse (LPN/LVN)	Much like a CNA but able to administer certain injections and medications.	Like all the things a CNA does, but want a bit more responsibility and pay	Same as above	Offer a diploma or degree for LPN or LVN.
Registered Nurse (RN)	More specialized and skilled training. Has supervisory role over patient and CNAs. Can administer injections/fluids. Degree required.	Like supervising and planning patient care-like managing staff-like paperwork -want to work in specialized areas like pediatrics, or post-surgery care for example	All the above including public health clinics, industrial plants, private practice, insurance companies, pharmaceutical manufacturers, and managed care organizations	Offer an ASN/AND and or Bachelors degree (BSN). Offer majors, minors, or interdisciplinary studies in allied health, business administration, etc.
Nurse Practitioner	Highly skilled comprehensive training. Able to perform exams, order and interpret lab tests and x-rays. diagnose, treat, and monitor acute and chronic illnesses, prescribe meds and treatments, provide patient referrals, and health ed., planning and maintenance	Are interested in broader scope of services-want to work in a health-care with patients of all ages	Practicing family medicine, pediatrics, adult/geriatric medicine, acute care, psych/mental health, or women's health in any of the above facilities, private practice, , insurance companies, pharmaceutical manufacturers, and managed care organizations	Offer advanced nursing programs that allows you to complete a bachelor's and masters within six years (MSN)
Clinical Nurse Specialists	Masters prepared, advanced practice nurse whose care focuses on a specific patient population. A CNS divides their time into five general areas - clinical practice, teaching, research, consulting, and management.	Want to both positively influence one-on-one patient-care situations and improve the processes that compose health care systems.	Private, independent work or work in any of the above facilities, patient education, nursing staff education, non-nursing members of the team, community education, teaching of undergraduate and graduate level nursing students	Advance nursing programs, (MSN) or Ph.D. Training in interesting areas such as oncology (cancer), acute care, infectious disease, neonatal, or community health nursing
Certified Registered Nurse Anesthetists	Masters or higher advance practice prepares registered nurses (RNs) to administer anesthetics and provide care for patients before, during and after anesthesia	Like working in operating rooms-or along side surgeons, and physicians	Hospitals, medical and dental clinics	Includes instruction in biochemistry; physics; advanced anatomy and physiology; clinical pharmacology of anesthetics and adjunctive drugs; pain management; acute care and operating room practice; clinical technology procedures; emergency intervention; patient assessment and education; and legal issues.

MAJORS-AT-A-GLANCE

Pre-Professional Studies	Pre-dentistry	Pre-law	Pre-medicine	Other Pre-professional studies
<p>If you are thinking about becoming a doctor, lawyer or dentist, you're going to need education beyond the undergraduate level. Terms like "pre-med" aren't actual majors. They are terms that define your intention to attend the professional school that will help you achieve your goals. The majors listed under in the next columns are recommended for good preparation for your professional school o choice.</p>	<p>Biology, biochemistry, chemistry, biomedical engineering, biomedical sciences</p> <p>Dental schools typically require you to study one year each of biology, chemistry, organic chemistry, physics and English</p> <p>Dental school usually requires a total of eight years of education including your Bachelor's degree. Look for schools with accelerated programs</p>	<p>History, English, philosophy, or political science</p> <p>Law schools typically look for students who are strong communicators, attentive readers, critical and logical thinkers.</p> <p>Law school usually requires a total of seven years of education including your Bachelor's degree. Look for schools with accelerated programs</p>	<p>Biochemistry, biology, chemistry, biomedical engineering, or biomedical sciences</p> <p>Medical schools typically require you to study one year each of biology, chemistry, organic chemistry, physics and English</p> <p>Medical schools usually require a total of eight years of education including your Bachelor's degree. Look for schools with accelerated programs</p>	<p>Optometry, pharmacy, veterinary medicine and podiatry</p> <p>Optometry is the study of the eyes and medical practices</p> <p>Pharmacy is the study of prescription medicines</p> <p>Veterinary is the study of animal medical practices</p> <p>Podiatry is the study of the feet and medical practices</p>

MAJORS-AT-A-GLANCE

Education	It's the study of....	You'll like this if you...	It's great preparation for....	Look for schools that....
Early Childhood	The design and provision of teaching infant and pre-school age children (8 years old or 3 rd grade) in all subjects	Like working with young children during their initial developmental stages-enjoy learning-like helping others-have a creative mind are an excellent communicator- are patient and have a strong sense of character	Home, private, or public day care, pre-school or kindergarten teacher, licensed after school child care, social service agencies, home school	Offer certification or Associates degree in education. Has a strong accredited program. Provides practical experience
Elementary/ Middle	Teaching students which may include kindergarten through grade eight basic academic, social, and other formative skills in all subject areas	Enjoy working with school age children (5 – 12 years old)-like a variety of subjects-are interested in teaching a variety of grade levels-everything else above	Public or private school, personal tutor, home school, after school program, guidance counselor, reading/math specialist, instructional coach	Have strong program, Offers a bachelor's degree, provides quality practicum experience with adequate supervision, have high job placement/grad school acceptance
Secondary	Teaching high school students in one or more subjects, such as English, math, science, or social studies. May be designated according to subject matter specialty	Enjoy working with teenagers-Like specializing in a certain subject matter-everything else above	Same as above	Same as above
Special /ESLEducation	Teaching students with physical, visual, hearing, learning, behavior and language disabilities	Like all the above-enjoy helping students with special needs-like a challenge	Same as above – adult literacy programs	Have strong concentration in special education-everything else above
Educational, Instructional and Curriculum Supervision	Supervising instructional and support personnel at the school building, facility or staff level.	Like education but are not interested in teaching in the classroom	Public or private school system, reading/math/literacy specialist, instructional coach, Principal, private foundation, consultant, college university administrator	Includes instruction in the principles of staffing and organization, the supervision of learning activities, personnel relations, administrative duties related to departmental or unit management, and specific applications to various educational settings and curricula
Administrative Principalship	educational administration at the elementary, middle and high school levels	Enjoy all the above-have excellent leadership and management skills-are able to effectively multi-task	Public or private school system	Includes instruction program and facilities planning, budgeting and administration, public relations, human resources management, childhood/pre-adolescent/adolescent growth and development, counseling skills, applicable law and regulations, school safety, policy studies, and professional standards and ethics.
Guidance Counseling	Applying the theory and principles of guidance and counseling to the provision of support for the personal, social, educational, and vocational development of students	Like all the above-enjoy working with elementary to high school students-like organizing guidance services within schools-are able to effectively multi-task	Same as above	Includes instruction in legal and professional requirements, therapeutic counselor intervention, vocational and postsecondary counseling, and related sociological and psychological foundations.