

Accounting

See Business page 32.

Acting

Bachelor of Fine Arts

Students from across Canada are attracted to this internationally recognized professional actor training program. Courses include acting technique, scene study, Shakespearean performance, voice, improvisation, movement, and theatre history, as well as other electives in Dramatic Art. Our talented faculty members are complemented by guest artists who present special workshops and teach senior core courses. Guest artists also direct for University Players, which produces a season of six productions annually. In first year, students take courses in improvisation and acting, voice, movement, theatre history and dramatic literature. The first year is designed to give students a strong base in technique which builds toward more advanced work in later years.

Career Tracks

Professional actor in theatre, film and television; director; graduate studies in acting and directing; teacher.

Anthropology

Bachelor of Arts

Cultural diversity is the central concept of Anthropology, whether you are studying the range of lifeways that exist today, how people lived in the past, or what may be possible in the future. Get international and historical exposure to the question of "who are we?" by examining cross-cultural differences in gender relations, Aboriginal knowledge, and concepts of development. Anthropology students may concentrate on a particular interest in archeology, physical anthropology, or social-cultural anthropology.

Career Tracks

International agencies; government; museums; law; archaeology and archives; community development organizations overseas and in Canada.

Architecture

See Visual Arts and the Built Environment page 45.

Art

See Visual Arts page 45.

Arts and Science

Bachelor of Arts and Science

The Bachelor of Arts and Science program provides a well-rounded arts and science education for highly motivated students who want the knowledge and skills that enable them to be familiar with the sciences, social sciences and humanities. You will develop skills in written and oral communication, in critical and creative thinking and in quantitative reasoning. You will bring your skills in research and scholarship to bear on issues of national and international importance.

Career Tracks

You will be prepared to pursue further studies in law, medicine, and education and to find jobs in business, government, or industry. Bachelor of Arts and Science students wishing to pursue a Master's degree upon graduation should speak to a program advisor.

Arts and Social Sciences and Education and Early Childhood Education (Concurrent)

See Education page 36.

Automotive Engineering

See Mechanical Engineering with an Automotive Engineering Option, page.

Behaviour, Cognition, and Neuroscience

Bachelor of Science

Behaviour, Cognition and Neuroscience (B.C.N.) combines the biological aspects of psychology and biology that relate to the brain and behaviour. This is an interdisciplinary program designed for students interested in carrying out research in the life/behavioural sciences as part of their undergraduate academic training. Along with taking regular courses with students in the Faculty of Science and in the Faculty of Arts and Social Sciences, students also take directed research-based courses with one or more of the faculty.

Career Tracks

Corporate, academic and health professional demand for neuroscientists is increasing steadily. The degree allows students to receive hands on research experience and prepares them for careers in neurobiology, psychology and medicine.

Biochemistry

Bachelor of Science

Biochemistry is the study of the structure and function of biomolecules ranging from the very small important molecules, such as nitric oxide (NO), to the large structures that can be visualized using the electron microscope, such as proteins and DNA. Biochemical studies lead to better understanding of biomolecular

interactions and are relevant to the control process and treatment of disease in humans. Your classroom and laboratory activities will prepare you well to compete in a field that is expanding rapidly. There is, and will continue to be, a high demand for skilled scientists at all levels of training.

Career Tracks

Biopharmaceutical and biotechnology industries; university or government research laboratories; clinical investigations and medical research; science education. Many biochemistry students move on to graduate studies or enter professional programs in areas such as medicine, dentistry or pharmacy.

Biochemistry and Biotechnology

Bachelor of Science

The Biochemistry and Biotechnology program builds on the strong background of the biochemistry program to provide state-of-the-art laboratory experience in biotechnology, a field with many applications in science today and an astounding potential for the future.

Career Tracks

Biopharmaceutical and biotechnology industries; university and government laboratories; clinical and medical investigations. Many biochemistry students move on to graduate studies or enter professional programs in areas such as medicine, dentistry or pharmacy.

Biology

Bachelor of Science

Biology is a broad program that allows you the opportunity to work with experienced professors and to apply various modern investigative techniques in many biological areas. Students can specialize in microbiology, cellular, developmental, environmental and evolutionary biology, population and ecosystem ecology, or a mixture of these areas, depending upon interest.

Career Tracks

Students may enter professional programs such as medicine, dentistry, pharmacy or other health related sciences or enter graduate studies; research and development in industry or government; environmental research and monitoring; management; teaching; and many others.

Biology and Biotechnology

Bachelor of Science

Biotechnology is the integration of modern technologies in the investigation of biological systems at the cellular, organism, and/or population levels. It provides opportunities to use living cells and materials produced by cells to create products that are useful in pharmaceutical, diagnostic, agricultural, and environmental applications. This program includes hands-on learning of sophisticated laboratory techniques as well as addressing ecological, medical, and ethical aspects associated with this field.

Career Tracks

Research and development; quality control; clinical research; manufacturing and production; government and regulatory affairs; information systems; marketing and sales; administration.

For students interested in health science professional schools, courses are available to provide the necessary preparation for medicine, dentistry, pharmacy, veterinary, chiropractic, as well as other health-based areas.

Concurrent Biological Sciences and Education (5 years)

Bachelor of Science (Honours) and Bachelor of Education

Students in this program will acquire the skills and knowledge in biological sciences and one other teachable subject area, and also fulfill the requirements for certification by the Ministry of Education and Training (Ontario). Students will complete courses in Biology while concurrently studying education and participating in practice teaching experiences during their program.

Career Tracks

Teaching Biology in schools at the intermediate and senior levels (Gr. 7 to 12).

Business

Odette School of Business

The Odette School of Business launched its new Bachelor of Commerce curriculum in the Fall 2007 semester. This new curriculum provides a strong foundation in the internal and external functions of business, while emphasizing the integration of all areas. Courses will reinforce the interpersonal and communication skills needed in business, focusing on the knowledge and skills needed to succeed in a cross-functional work place.

As a respected Canadian school for international business, the Odette School of Business curriculum enables graduates to understand and respond to the increasingly complex international business place. Our internationally-acclaimed faculty, diverse student body, exchange opportunities, innovative curriculum, and geographic location provide Odette students with a unique understanding of the global market.

The four-year business programs begin with two years of structured study in foundation courses in all areas of business, complemented with courses in computer science, economics and mathematics.

Courses are offered in these areas:

Accounting

All of the required university courses for Chartered Accountant (CA), Certified General Accountant (CGA) and Certified Management Accountant (CMA) designations are offered. Students who concentrate in accounting typically follow a career path in public or private accounting.

Finance

The finance area offers fundamental concepts in financial planning, capital budgeting, financial control, raising financial capital, and investment management. Finance majors will have the knowledge needed for pursuit of a Certified Financial Analyst (CFA) designation or may pursue areas such as brokerage, investment and commercial banking, treasury and cash credit, insurance and pension management.

Marketing

This field provides an understanding of the effects of market considerations upon managerial decision-making. Learn about consumer behaviour, pricing dynamics, environmental factors, research, advertising, sales and competitor analysis.

Management and Labour Studies

Courses offered in this area will meet the requirements for the Certified Human Resource Professional (CHRP) designation. Career opportunities within the human resources field include industrial relations, compensation, training and development and personnel selection.

Management Science

Management Science provides students with important quantitative skills and a competitive edge in fields such as marketing, finance, accounting and policy-making. Job opportunities include: corporate planning, analysis of operational improvements, operations management, supply chain and inventory management. Courses in this area will prepare students for an APICS designation.

Business Strategy and Entrepreneurship

Strategic Management, International Business and Entrepreneurship are the three main fields taught in this area. Strategic Management deals with navigating the corporations in today's volatile environment. International Business focuses on global business transactions and managing the global firm. Entrepreneurship provides training for the student who wants to start their own business.

Honours Business Administration

Bachelor of Commerce

This four-year program begins with two years of structured study in all areas of business, complemented with courses in computer science, economics and mathematics. Studies in third and fourth year consist of advanced courses in areas of Accounting, Finance, Management and Labour Studies, Management Science, Marketing, Strategy and Entrepreneurship. The BComm for University Graduates is also available for students holding a university degree in a discipline other than Business.

Honours Business Administration (Co-op)

Bachelor of Commerce

This program compliments the four-year Honours Bachelor of Commerce Program by providing students with opportunities to develop their skills and increase their knowledge in an applied work environment while gaining valuable career-related experience. Co-op students complete three paid work semesters and eight study semesters. Acceptance is limited. Students must maintain an 8.0 GPA to remain in the co-op program.

Honours Business Administration and Computer Science

Bachelor of Commerce

This four-year Bachelor of Commerce program gives you great flexibility in combining your area of business specialization with the technological background that will provide special opportunities in e-commerce, and other emerging areas of business where computer applications are important.

Honours Business Administration and Computer Science (Co-op)

Bachelor of Commerce

The co-op option compliments this four-year program with a powerful combination of information technology, business and hands-on experience. The program consists of three-paid work semesters and eight study semesters. Acceptance is limited. Students must maintain an 8.0 GPA to remain in the co-op program.

Honours Business Administration and Economics

Bachelor of Commerce

This program combines both the core requirements of the Bachelor of Science in Economics program and the Bachelor of Commerce program.

Bachelor of Commerce (Honours International Business) French & Spanish

The Bachelor of Commerce (International Business) will prepare graduates to take their place in the "business without borders" environment that characterizes enterprise in the 21st century. In combining business, language, and international studies with an opportunity to study overseas, this degree offers students the opportunity to take their places as global business leaders. Students will gain intensive knowledge in the international context through course work at the University of Windsor and during their year of international study. Specific University of Windsor courses include courses in global management (year 1), business ethics in the global context (year 2), international business (year 3 and year 4) and an approved non-business culture course (year 4).

Chemistry

Bachelor of Science

Chemistry is often referred to as the "central science" and it has a vast influence on our daily lives. The traditional fields of study have changed to encompass new areas of interest; modern chemists are involved in the development of new materials (such as superconductors and luminescent materials for flexible video displays), catalysts (of high interest to industrial research partners), synthetic methods (important in the pharmaceutical industry) and novel, organized structures that one day may be utilized for the production of tiny "nano-machines." Chemists are also responsible for investigating the behaviour of compounds at a molecular or atomic level. Chemistry is a challenging science that provides excellent opportunities at all levels of training.

Career Tracks

Chemists are well-prepared for entrance to professional schools such as medicine, dentistry and pharmacy. Careers are found in industrial and academic research and development, government and hospital laboratories, industrial process laboratories, administration and management, and education.

Concurrent Chemistry and Education (5 years)

Bachelor of Science (Honours) and Bachelor of Education

Students in this program will acquire the skills and knowledge in Chemistry and one other teachable subject area, and also fulfill the requirements for certification

by the Ministry of Education and Training (Ontario). Students will complete courses in Chemistry while concurrently studying education and participating in practice teaching experiences during your program.

Career Tracks

Teaching Chemistry in schools at the intermediate and senior levels (Gr. 7 to 12).

Chemistry and Physics

Bachelor of Science

This is an interdisciplinary program providing students with a broader background than in individual degrees in chemistry or physics, with emphasis on both theoretical training and practical experience in both areas. A variety of phenomena at the interface of chemistry and physics are studied, and are taught from a problem-solving perspective.

Career Tracks

A B.Sc. in Chemistry and Physics is excellent preparation for graduate work in either area, and due to its interdisciplinary nature, can lead to a wide range of careers, including industry R&D, academic research or teaching, or positions in government agencies or laboratories.

Child Psychology

Bachelor of Arts

Child Psychology is a three-year B.A. degree program that focuses on child and adolescent development. It is well-suited for students interested in working with children and adolescents in fields such as Educational Assistant, Early Childhood Education, Child and Youth Worker, and Developmental Services Worker, as well as for those who plan to pursue additional degrees or certificate programs in this area. It is also a good choice for those intending to enrol in the Concurrent Education program who wish to have a child-focused major for their B.A. degree. In addition to course work, students have the opportunity to participate in ongoing research projects and are encouraged to apply their classroom skills by getting involved in community organizations. It will help prepare students for life roles such as parenting, caring for a child with special needs, or communicating across generations.

Career Tracks

Child care, teaching, in-home support worker for children with special needs, after-school program coordinator, foster care, and parenting.

Civil Engineering

Bachelor of Applied Science

Civil Engineering is one of the most versatile engineering degrees available, leading to many career opportunities. As a graduate from our Civil Engineering Program, you will possess the skills and knowledge to practice in a variety of civil projects related to construction, geotechnical, structural, municipal, transportation, hydraulic, and water resource engineering, urban planning as well as administration and management. As a Civil Engineer, you'll be well-positioned to apply your academic skills and abilities in developing and implementing leading-edge technologies to develop and enable sustainable infrastructure, and to tackle the design, construction, and implementation challenges facing our built environment.

Classical Civilization

Bachelor of Arts

Greece and Rome are the two areas of interest in classical studies: the Greek love affair with life – the quest for ideals of beauty, truth and justice; and the Roman sense of destiny and imperial greatness – the unceasing struggle against the forces of barbarism. In first year, students will typically enroll in introductory courses on the civilizations of Greece and Rome, as well as in beginning Greek or Latin. This program encompasses art, literature, history and culture of the ancient world. No previous knowledge of Greek or Latin is necessary to enter the program. Exciting four-year combinations are possible with Modern Languages, French, History, Philosophy and many other areas.

Career Tracks

Teaching; journalism; museum positions; government; business; law.

Commerce

See Business page 32.

Communication Studies

Bachelor of Arts

Communication Studies analyzes the forms and contexts of the mass media as well as their meanings and effects on individuals and society. This involves students in the study of social, cultural, political and economic institutions, practices, and artifacts. Required areas of study include communications theory, history, research methods, cultural studies, and political economy. Majors in this field may also elect courses in cinema studies, news media analysis, video, film and sound production. On-campus production facilities are complemented by the department's production unit, and by campus media outlets such as CJAM Radio-91.5 FM and *The Lance* student newspaper. Practicum courses may lead to placements at organizations such as: CBC-Windsor, WDET - Detroit, Media Street Communications, ABC-Detroit, CHWI-Windsor, CFPL-London, Dome Productions - Toronto, WJBK-TV-Detroit; WDIV-TV-Detroit; Hospice Windsor; Chrysler LLC; the AIDS Committee of Windsor; and many others.

Career Tracks

Television, film and video planning, production, and post-production; radio and print journalism; policy analysis for media and government agencies; opinion research; public relations; advertising; teaching and research.

Computer Science

The goal of the School of Computer Science is to prepare students for a career in the technology industry or research and academia. We strive to ensure that students have an in-depth understanding of the fundamentals of computer science, as well as exposure to the latest tools and technology. Through academically sound programs and courses students will develop skills necessary for using knowledge effectively and will be motivated to strive for excellence in technology. Our objective is to provide excellent programs in a challenging and stimulating, learning environment. We offer innovative degree programs which provide students with knowledge and skills to become tomorrow's technology leaders.

Career Tracks

A degree in Computer Science can lead to a multitude of potential careers, including Computer Programmer, Computer and Network Operator, Software Engineer, Database Administrator, Computer Engineer, Systems Analyst and Game Developer.

Bachelor of Computer Science (General)

The Bachelor of Computer Science (General) is a three-year degree program which offers exposure to the various components of computer science. This program provides a solid background in the foundation of computing and other subject areas, allowing for an enriched, general education.

Bachelor of Computer Science (Honours) (Co-op)

The Bachelor of Computer Science (Honours) is a four-year degree program. This program enriches the broad, theoretical and practical knowledge of the general degree with in-depth advanced theory and practice. Different fields of specialization in computer science are offered in the following areas:

1) Artificial Intelligence

Includes topics such as logic and symbolic programming, search techniques, knowledge representations, planning and natural language processing.

2) Game Development

Built upon core Computer Science, this specialization enriches the experience with a focus on topics relevant to computer game development such as Artificial Intelligence for Computer Games, Graphics, Multimedia, Team-Oriented Game Development. A game development capstone project completes the final year. This program provides a solid groundwork for entry level positions in the rapidly growing game and game-related industries.

3) Multi-Media

Emphasizes WWW, visualization and human computer interface. Courses in Computer Science can be integrated with Communication Studies and Visual Arts in a powerful exciting package.

4) Networks & Security

Provides training for students pursuing a career in network design and administration, software systems design and construction. Emphasis is on theoretical and practical aspects of networks including network security, as well as advanced topics such as multimedia networks, mobile computing, optical and ad-hoc networks.

Bachelor of Computer Science (Honours Applied Computing) (Co-op)

The objective of this four-year program is to provide students with progressive and innovative tools and technology in computing, along with practical experience in developing software systems and the IT skills that industry expects.

Bachelor of Science (Honours Computer Science with Software Engineering Specialization) (Co-op)

Learn one of the most sought-after skills in the world! This is a progressive, four-year Bachelor of Science program that will prepare you for a successful, rewarding career in specification design, coding and testing of software. Emphasis is on software engineering, database, WWW, and large-scale software. Software engineering is the discipline of designing, creating and maintaining software by applying technologies and practices from computer science, project management, engineering, application domains, interface design, digital asset management and other fields.

Bachelor of Science (Honours Computer Information Systems) (Co-op)

This four-year Bachelor of Science program focuses on the application of computers in industry and in commerce. Students will gain a foundation in computer science, in addition to being exposed to the world of industry and commerce that are driven by information systems.

Computer Science (Combined Honours Degrees)

Bachelor of Computer Science

Combined honours programs offer the dual advantage of majoring in two areas, one of which is Computer Science. Many combined honours programs (including the three listed below) are possible and need pre-approval by both departments.

Bachelor of Commerce, Honours Business Administration and Computer Science (Co-op)

See Business page 32.

Bachelor of Mathematics, Honours Mathematics and Computer Science (Co-op)

See Mathematics page 41.

Concurrent Computer Science and Education (5 years)

Bachelor of Computer Science (Honours) and Bachelor of Education

Students in this program will acquire the skills and knowledge in computer science and one other teachable subject area, and also fulfill the requirements for

certification by the Ministry of Education and Training (Ontario). Students will complete courses in Computer Science while concurrently studying education and participating in practice teaching experiences during your program.

Career Tracks

Teaching Computer Science in schools at the intermediate and senior levels (Gr. 7 to 12).

Concurrent Arts and Education and Early Childhood Education

See page 37.

Concurrent Biology and Education (5 years)

See page 31.

Concurrent Chemistry and Education (5 years)

See page 32.

Concurrent French and Education (5 years)

See page 37.

Concurrent Mathematics and Education (5 years)

See page 37.

Concurrent Science and Medical Laboratory Science Diploma

See General Science page 39.

Criminology

Bachelor of Arts

Criminology examines criminal activity and security and legal issues as major influences on society. Our program focuses on the causes, consequences, and control of crime including the study of victims of crime, prosecution of criminals, criminal law, policing, and the sentencing and punishment of offenders. You can learn about the images and management of crime, how crime and criminal behaviours are identified, the development and application of criminal laws and penal sanctions, community-based punishment, and issues of criminal justice.

Career Tracks

Law enforcement; law; security; probation; parole; corrections; Canada Customs and Immigration; community agencies working with ex-offenders, substance abusers, women, or youth.

Developmental Psychology

Bachelor of Arts

Honours Developmental Psychology and Honours Developmental Psychology with Thesis are programs that focus on child, adolescent and adult development. Courses emphasize different developmental periods and various aspects of both normal and abnormal development. In addition to course work, students have the opportunity to participate in ongoing research projects and are encouraged to apply their classroom skills by getting involved in community organizations. In their fourth year, students can apply to participate in the Developmental Psychology practicum in which they review learning-based behaviour change strategies and apply them in community placements. This program also helps prepare students for life roles such as parenting, caring for an elderly parent, or communicating across generations.

Career Tracks

Graduates of the Developmental Psychology with Thesis program may pursue M.A. or Ph.D. degrees in Psychology. Graduates of the Developmental Psychology program may go on to professional degrees in teaching, nursing, directly to careers in many different employment settings, including child care, elder care, health care settings and community agencies.

Diaspora Studies

Bachelor of Arts (as a combined major)

Diaspora Studies focus on issues of identity critical to the multi-ethnic nature of western countries. Diasporas exist for groups of people who share a collective memory of forced dispersion and emigration from an ancestral homeland, resettlement in many countries, and a deep longing to maintain connection to their homeland. Most immigrant communities enclose diasporic identities; the Jewish, Armenian, Ukrainian, African, and Irish diasporas are very well known.

Diaspora Studies is available as a major within a Combined Honours B.A. (to be taken with another subject Major) in the Faculty of Arts and Social Sciences. It requires courses from seven different departments including Political Science, Sociology, English, Communication Studies, and History.

Career Tracks

Education; government; law; and graduate studies.

Social Work and Diaspora Studies

See page 44.

Disability Studies

Bachelor of Disability Studies

Students will learn to engage in service to the disabled community that emphasizes a collective commitment to social justice and accessibility, as reflected in the disability movement's slogan: "Nothing about us, without us." Within this 40-course program, they will take 20 courses with a disability studies emphasis from several different subject areas as well as a set of Disability Studies foundation courses.

Career Tracks

Individual, family and group practice; case management in service delivery; agency supervisors; government administrators; and policy analysts in disability policy and accessibility.

Drama and Communication Studies

Bachelor of Arts

An Honours Bachelor of Arts degree is offered jointly by the School of Dramatic Art and the Department of Communication, Media and Film. This increasingly popular four-year degree provides students with the knowledge of and practice in many facets of theatre, film, and television production. Studies may include courses in costume, set, and lighting design; video, film, and theatre production; directing; stage management; and theoretical and critical courses on the communication/telecommunication industries and media content. First-year dramatic art courses focus on theatre history, the nature of theatre, and stagecraft. First-year communication studies courses concentrate on the historical development and impact of information technologies, an introduction to communication theory, and the role of communication in society. Students can also take a course in production processes. Options may include courses in dramatic literature, and science or languages. After first year, students may study more specialized areas in theatre production, performance, media studies, and video and film production. Opportunities for internships and Work Study at University Players exist for the advanced student.

Career Tracks

Graduates pursue careers in teaching, as well as in production and design, in areas such as film, video, theatre, television and radio. Others pursue careers in teaching or further studies as graduate students.

Dramatic Art

Bachelor of Arts

The General and Honours B.A. degrees provide the flexibility to create a broad education in theatre and creativity. It mixes directing, theatre history, lighting design, scenic design, directing, stage management, and performance courses. In first year, students take introductory courses in dramatic art, theatre history, and technical theatre, as well as dramatic literature, language or science options, and work in production labs at University Players, which produces six plays annually. Internships and Work Study opportunities are available for senior students. The first year is designed to provide students with a broad base in dramatic art and the liberal arts.

Career Tracks

Teacher; arts management; designer (costume lighting, sets); stage management; graduate studies.

Related Careers: technical direction; production

co-ordination; tour co-ordination.

Drama in Education and Community

Bachelor of Arts

This is a unique program that prepares students for careers across the life span in community, institutional, and educational settings. You will be trained in creative play, storytelling, lesson planning, theatre for young audiences, theatre for social action, and developmental psychology. You will learn to apply drama and theatre as it relates to the elementary/secondary curriculum, which will include teaching placements in both elementary and secondary schools, and social-issue-driven community based projects. In first year, you will take courses in creative drama, nature of theatre, English literature, and psychology.

Career Tracks

Elementary and secondary school teacher; special education teacher (B.Ed. is required which must be completed after this degree); social service agency employee; theatre for young audiences; graduate studies; drama therapist (graduate degree required); workshop leader; counsellor; play leader; program coordinator, and as community drama specialist (facilitator of drama and theatre work across the lifespan).

Earth Sciences and Environmental Sciences

This interdisciplinary field combines all of the basic sciences to study the Earth, natural resources, natural hazards, and the environment. The University of Windsor offers four Earth and Environmental Sciences programs:

Environmental Science, Bachelor of Science, see page 38.

Geology, Bachelor of Science (Co-op), see page 39.

Physical Geography, Bachelor of Science, see page 43.

Economics

Bachelor of Arts (General or Honours)

Bachelor of Science (Honours)

Learn about the theories and techniques of economics. Specialize in "big picture" macroeconomics studying unemployment, economic growth, inflation and deficits, or in the more personal issues of microeconomics, studying individual decision-making in firms and households and their interactions. Specialize in specific fields such as labour, international trade, public finance or econometrics.

Compared with the Honours Bachelor of Arts program, the Honours Bachelor of Science program is more technically demanding, requiring greater theoretical, mathematical and empirical sophistication. It is primarily designed for students who wish to pursue graduate studies or intend to work as economists in both private and public sectors.

Career Tracks

All levels and aspects of government and public policy analysis; banking; finance; corporate or competitive strategy. Careers range from economic researcher

and consultant, to stockbroker. Students with an interest in data analysis may be attracted to jobs involving forecasting.

Education

Bachelor of Education

UWindsor teacher candidates are well-prepared with a theoretical and practical foundation in curriculum and learning theory, human development and cognition, instructional design, assessment, evaluation and implementation.

Bachelor of Education (consecutive program for candidates with a first degree)

Our one-year, consecutive program integrates on-campus classes with approximately 60 days of classroom observation and teaching. You will work in school settings under the direction of experienced teachers in one of three divisions: primary-junior (JK-Grade 6), junior-intermediate (Grade 4-10) and intermediate-senior (Grade 7-12).

Applicants to the primary-junior division do not choose teaching subjects. However, it is desirable that applicants have studied a wide range of subject areas, such as English, Mathematics, Canadian Geography/History, Fine Arts, Physical Education and Science. Junior-intermediate candidates choose one teachable subject. You must have at least six semester undergraduate courses (18 semester hours) in one teaching subject, with the exception of French and Music, which required additional courses (see website for details). Intermediate-senior candidates choose two teaching subjects. Applicants must have at least 10 semester undergraduate courses (30 semester hours) in the first teachable subject and six semester undergraduate courses (18 semester hours) in the second teachable subject, with the exception of French and Music, which require additional courses (see website for details). At least two of these courses must be at the second-year level or above.

Teachable subject areas offered at UWindsor include: Computer Studies, Dramatic Art, English, French-Second Language, Geography, Health and Physical Education, History, Mathematics, Music (Instrumental and Vocal), Religious Education, Science (General) and Visual Arts. In addition, Social Sciences-General, Biology, Chemistry and Physics are offered to intermediate-senior candidates only.

Concurrent Arts and Education and Early Childhood Education

Bachelor of Arts and Bachelor of Education and Early Childhood Education Diploma

The Concurrent B.A./B.Ed./E.C.E. program provides students with the opportunity to work concurrently on two degrees and a diploma leading to qualifications to teach from the early childhood years to Grade 6. Graduates receive a Bachelor of Arts and a Bachelor of Education (primary-junior) from the University of Windsor. They also receive a Diploma in Early Childhood Education from St. Clair College. Considering the Ontario government's move towards the implementation of full-day learning for four-and-five-year olds, our program uniquely prepares graduates for this field.

New Talks have begun, between the University and Lambton College, on a possible concurrent BEd/ECE program. Stay tuned! (visit www.uwindsor.ca/education for updates).

Career Tracks

Teaching early childhood years through to Grade 6, in-house trainer, personnel, sales, marketing, promotion, public relations.

Concurrent French Studies and Education (5 years)

Bachelor of Arts (Honours French Studies) and Bachelor of Education

The Concurrent Bachelor of Arts (Honours French)/Bachelor of Education Program is offered jointly over five years by the French Studies Program and the Faculty of Education. The program prepares individuals to teach at the junior and intermediate levels (Grades 4 to 10), with a particular emphasis on teaching French as a second language. Graduates of this program will receive two degrees and will acquire the necessary skills and knowledge for teaching French as a Second Language in the English language school system (Public or Roman Catholic school system) and fulfill the requirements for certification by the Ontario College of Teachers. It offers students the opportunity to begin working towards teaching certification early in their academic career. Students can qualify for the Bachelor of Arts (Honours) degree in French Studies while concurrently doing practice teaching and community service.

Career Tracks

Teaching French as a second language in the English language school system (public or Roman Catholic) at the junior-intermediate levels, in-house trainer, personnel, sales, marketing, promotion, public relations.

Concurrent Mathematics and Education (5 Years)

Bachelor of Mathematics (Honours) and Bachelor of Education

The Concurrent Bachelor of Mathematics (Honours)/Bachelor of Education Program is offered jointly over five years by the Department of Mathematics and Statistics and the Faculty of Education. The program prepares individuals to teach mathematics at the intermediate and senior levels (Grade 7 to 12). Graduates of this program will receive two degrees and will acquire the necessary skills and knowledge for teaching two subjects and fulfill the requirements for certification by the Ontario College of Teachers. It offers students the opportunity to begin working towards teaching certification early in their academic careers. Students can pursue academic studies in mathematics and statistics and one other subject while concurrently doing practice teaching and community service.

Career Tracks

Teaching mathematics and one other subject in schools at the intermediate and senior levels (Grade 7-12), in-house trainer, personnel, sales, marketing, promotion, public relations.

Concurrent Science and Education

see page 46

Electrical Engineering

Bachelor of Applied Science

Students majoring in Electrical Engineering have the opportunity to study some of the most exciting high-tech subjects today, such as microelectronics, computer engineering, robotics, communications, power generation and distribution by choosing from a broad suite of elective courses. As society increases its dependence and use of electrical products, processes and systems, electrical engineers will play a key role in developing new systems to meet our future demands, as well as upgrading existing systems. As an electrical engineer, you'll be well positioned to handle the rapidly changing technology that is an integral part of our everyday lives.

Engineering

Bachelor of Applied Science (Co-op)

Integrated Bachelor of Applied Science/Master of Applied Science

Play your part in building the world of tomorrow and in maintaining the world of today. Windsor's unique climate of co-operation between academic, business and industry sectors gives you access to state-of-the-art engineering facilities and outstanding career opportunities. The engineering programs at the University of Windsor are designed to develop professional competence and to prepare students to solve the technical problems of society and the global environment. All Engineering undergraduates tackle the fundamentals in a common first-year program: mechanics, graphics, electricity and magnetism, chemistry, mathematics, computer-aided design principles, and communications. For those choosing cooperative education in engineering, seminars are provided to assist in preparing for interviews, developing job-search skills, finding appropriate placements, and defining career goals. Then, you're ready to focus on an engineering specialization from the following fields:

- Civil Engineering
- Electrical Engineering
- Mechanical Engineering (with Automotive option)
- Mechanical Engineering (with Environmental and Materials options)
- All Engineering programs are available as co-op with competitive entry.

Career Tracks

State-of-the-art manufacturing and production; business; government; systems design/operation/building/maintenance; consulting; transportation; pollution control and prevention; advanced computing and communications; medicine and medical technology; bio-based engineering solutions; research and development; structural design; failure analysis; modern construction; automotive industries, environmental protection; project, process, and systems management; robotics and advanced electronics; power generation and distribution.

See Civil Engineering page 33.

See Electrical Engineering page 37.

See Industrial Engineering page 39.

See Mechanical Engineering page 41.

English Language and Literature

Bachelor of Arts

The English Language and Literature program expands and refines critical skills and cultural awareness, oral and written communication, and knowledge of critical inquiry. Complementing courses in British, Canadian, American, and World literatures in English are courses in linguistics, composition, rhetoric, editing, publishing, as well as scholarship and bibliography. Combining courses in a diverse range of topics in literature and theory, students develop analytical and critical thinking skills and gain experience in research, writing, editing, publishing, and teaching.

Career Tracks

Teaching; law; journalism; library science; editing; publishing; business; media; advertising; administration; public and governmental services.

English Literature and Creative Writing

Bachelor of Arts

The Literature and Creative Writing program combines critical and literary study with workshops in creative writing led by published, award-winning authors. In small classes, creative work is read and critiqued by established writers and student-peers. Consultations with the Writer-in-Residence, the Resident Writing Professional and visiting authors augment creative course work. Visiting authors are internationally-recognized poets, playwrights, and novelists offering an extensive basis of knowledge through a series of public readings and talks. Courses in literature and theory stimulate development of thinking and creative skills.

Career Tracks

Writing and the creative arts; editing, publishing; media, journalism; law; communications; and teaching.

Environmental Engineering

Bachelor of Applied Science

Students majoring in Environmental Engineering have the opportunity to study, assess, and help address world-wide environmental concerns. This program focuses on solving problems related to the containment, movement, transformation and prevention of pollution to protect and promote human and ecosystem health. You'll design real-world processes and systems which remove contaminants before they are released into our air, water and soil. You may find yourself developing and implementing leading-edge technologies, systems, and approaches related to pollution prevention and reduction, increased eco-efficiency, and renewable energy in the private and public sectors as organizations increasingly move to innovative and sustainable solutions.

Environmental Science

Bachelor of Science

This interdisciplinary program integrates studies in biology, chemistry, geology and physical geography. It involves a strong element of technical training in the use of Geographical Information Systems (GIS) and environmental assessment. In selecting their advanced courses, students can either focus on environmental issues within one of the three core disciplines, or may include a mixture of recommended courses in several areas. In addition, this program can fulfill the requirements for admission to Canadian and US medical schools. Students interested in graduate study are strongly encouraged to undertake honours thesis research.

Career Tracks

Environmental consulting companies; environmental law; government sectors of environmental quality control and monitoring, environmental management and conservation; education/teaching; research.

Environmental Studies

Bachelor of Environmental Studies

The Environmental Studies program will introduce you to one of the most critical issues of our time – the study of human interaction with the environment. You will understand the human dimensions of environmental issues and will develop the skills and knowledge necessary for analysing complex environmental problems and formulating strategies for change. You will be educated as a professional trained to practise sound environmental management and to promote a more sustainable, healthy living environment.

Career Tracks

Education; environmental law; environmental advocacy; industrial and government sectors of environmental quality control and monitoring.

Family and Social Relations

Bachelor of Arts

This program provides theoretical and practical insights into changes affecting families today and people's responses to those changes. It explores child development, family history and change, marriage dynamics, women's issues, changing sex roles, sexuality, and aging. It combines courses from a variety of disciplines, including psychology, social work, history and sociology.

Career Tracks

Government agencies; counselling; community and advocacy associations.

Finance

See Business page 32.

Forensics Combined Degree with Arts and Social Sciences

Bachelor of Arts in Forensics

The Combined Forensics degree offers an opportunity to students who are interested in forensic science to pair it with any other combined major program in Arts or Social Sciences such as Criminology, Psychology, Philosophy, Political Science, English, French, Anthropology and others. This is an excellent alternative for students who want to combine their study of forensics with other disciplines in the arts and social sciences. Students will study methods of collecting and handling evidence, legal issues associated with analysis of evidence and standards in legal investigations.

Career Tracks

Business; law; management and the civil service; police and security services.

Forensic Science

Bachelor of Forensic Science

Forensic Science is the study of evidence for presentation in courts of law. Students in this program take courses in both the Arts and Sciences with a strong emphasis on the Sciences (such as Molecular Biology/Biochemistry, or Biology, or Chemistry) and will acquire the skills and knowledge essential to the practice of forensics. You will study methods of collecting, handling, and analyzing evidence through the application of particular sciences, law, and judicial systems with an emphasis on high ethical standards in legal investigations.

Career Tracks

Forensic science, science, medicine and law. Graduates from this program can tailor their degree to pursue further studies at the graduate level.

French and Education (Concurrent)

See Education page 36.

French Studies

Bachelor of Arts

A thorough knowledge of the French language will enrich your life and provide enhanced career opportunities. "French as a foreign language is the second-most frequently taught language in the world after English. French is the only language other than English spoken on five continents." (Richard Shryock, Virginia Polytechnic Institute and State University). The French Department offers a comprehensive program of study in language, literature, linguistics, translation, and culture. You will have the option to spend the third year of your program in the South of France, studying at the Université de Nice. You may also spend one or two semesters studying at the Université du Québec à Montréal. Summer language bursaries are available for study in Francophone areas of Canada, as well as opportunities to spend a whole year in Québec working as a second language monitor. All courses in French Studies are taught in French.

Career Tracks

Teaching French as a first or second language; translation; interpreting; the federal and provincial civil services; law; social work; business and industry.

General Science

Bachelor of Science (three-year)

A well-rounded, multidisciplinary approach to science is appropriate for all kinds of careers. The General Science program at Windsor combines maximum flexibility with the core requirements for on-going study of greater depth. In this three-year program, you will gain a foundation in science with core courses chosen from the areas of biological sciences, chemistry and biochemistry, computer science, physical geography and geology, mathematics and physics. With appropriate course selection in the general degree, students can elect to complete an honours degree in a science discipline in Year 4.

Career Tracks

A broad scope of science knowledge gives you the background to pursue a career in law; accounting; education; health technologies; and teaching science.

Concurrent Science and Education

Bachelor of Science (Honours)/Bachelor of Computer Science (Honours)/Bachelor of Mathematics (Honours) and Bachelor of Education
Graduate with both a Bachelor of Science/Bachelor of Computer Science/Bachelor of Mathematics degree and a Bachelor of Education degree in five years through this program. Acquire needed skills and knowledge in two science teachable subject areas, and fulfill the requirements for certification by the Ministry of Education and Training (Ontario). Students will choose from the following subject areas as their first teachable subject: Biology, Chemistry, Computer Science and Mathematics. The second teachable subject area may be chosen from Biology, Chemistry, Computer Science, Mathematics and Physics. All of this will be completed while concurrently studying education and participating in practical, in-school teaching experiences during your program.

Career Tracks

Teaching science in schools at the Intermediate and Senior levels (Gr. 7 to 12).

General Science and Medical Laboratory Science (Concurrent)

Bachelor of Science (General Science) and Medical Laboratory Science Diploma (concurrent, four-year)

Offered jointly with St. Clair College, this program is designed for those who want to develop the hands-on skills and theoretical practice of medical technology training, while at the same time obtaining a strong theoretical background in university science to become a uniquely trained health professional. Clinical experience will be realized through a 32-week continuous internship in affiliated hospitals and/or private healthcare testing labs.

Career Tracks

Healthcare system; laboratory workers in industry; industrial health care; law; public affairs; business. Graduates are eligible to write certification exams for the Canadian Society of Medical Laboratory Science or the Society of Medical Laboratory Science in order to practise in the U.S.

Geology

Bachelor of Science

Geologists are involved in understanding the Earth – its formation, evolution, processes and future behaviour. They are responsible for water, mineral and energy resource exploration and development, climate change and natural hazards monitoring, and study the evolution of the Earth's interior, surface, and life upon the surface, among many other topics. In addition to Earth Science courses, geology students also utilize chemistry, biology, geography, math, and computer science in their study of the structure, composition and history of the Earth. This program is designed to fulfill the current requirements for professional registration in Ontario. Practical experience is provided via our co-op programs.

Career Tracks

Mineral exploration and mining companies; petroleum companies; environmental and engineering consulting companies; government agencies (geological surveys, environmental agencies); teaching/education; research.

Geography

See Environmental Studies page 38 or Physical Geography page 43.

German

See Modern Languages and Second Language Education page 42.

History

Bachelor of Arts

History opens up the great stories of the human past, stories that tell us about rulers, constitutions, wars, and liberation movements as well as about capitalism, migration, slavery, cities, and the everyday lives of women and men. UWindsor's History Department allows you to study these and other topics in European, Latin American, Canadian, and U.S. history from ancient times to the recent past. The program emphasizes writing, the study of primary historical documents, and an understanding of how the writing of history itself has changed over time.

Career Tracks

Law school; teaching or graduate study; archival studies or library sciences; journalism; writing; museum curator or interpreter; tourism; business management; politics and civil service.

Human Kinetics

See Kinesiology page 40.

Industrial Engineering

Bachelor of Applied Science

Experience the technologies and strategies that deliver world-class leadership for today's world! Industrial engineers are involved in many different pursuits including manufacturing systems design, operation and control, automotive assembly engineering, supply chain engineering, corporate logistics, warehousing and inventory management, facility/plant engineering, tool engineering, process engineering, manufacturing engineering, ergonomics engineering and integrated human factors in product design. Students majoring in Industrial Engineering have the option to choose the general program or the following stream while working towards their Bachelor of Applied Science degree (co-op is available in both streams):

Industrial Engineering with a Minor in Business Administration

Bachelor of Applied Science

This is an integrated business/engineering curriculum specially developed by the Odette School of Business for the Industrial Engineering program. It prepares

graduates for high-growth potential management leadership careers in industry, manufacturing, and the business world within four years!

Interdisciplinary Studies

Bachelor of Arts

The UWindsor @ Sarnia choice offers you a University of Windsor Bachelor of Arts degree in Sarnia. While living in the Sarnia area, you can experience the high quality of teaching and the learning-centred approach for which the University of Windsor is known.

The "2 + 2" and "2 + 1" options

2 + 2: Spend your first two years in Sarnia and then head to Windsor to complete the next two years of an honours degree in an Arts or Social Science program of your choice; OR 2 + 1: Spend your first two years in Sarnia and then go to UWindsor to complete the next year of a general degree in Arts or Social Science or spend all three years in Sarnia and complete a general Bachelor of Arts degree in Interdisciplinary Studies.

www.windsoratsarnia.ca

Career Tracks

Graduates are well-suited to employment or further education in government, business, teaching, law, and other careers in the private or public sector.

International Relations and Development Studies

Bachelor of Arts

This unique program is based in a set of core courses and two concentrations selected from Diaspora Studies, Economics, Gender, History, Sociology & Anthropology, and Languages (German or French). It combines several academic disciplines into a varied and fascinating study of Canada, including its role in global politics and the world outside. In first year, you take beginning courses in Canadian politics and world politics.

Career Tracks

The foreign service; journalism; consulting; international business; development assistance; law; education.

Italian

See Modern Languages and Second Language Education page 42.

Kinesiology (Co-op)

Bachelor of Human Kinetics

The rapidly growing field of kinesiology studies people in motion. All kinesiology students complete a core curriculum of foundation courses such as anatomy, biomechanics, physiology, health and wellness, sport management, ethics, sport psychology, and statistics. There are additional core course choices in areas such as motor learning and development, sport history and sociology, ergonomics, growth and development and organizational behaviour. Students are immersed in kinesiology courses in Year One. The first two years of the core curriculum are designed to allow students to experience both the social science and bio-physical areas of kinesiology. Following the core, they select one of three majors: Movement Science, Sport Management, or Sport Studies. The program allows a variety of options ranging from theoretical courses to practice, theory and analysis courses. Co-operative education students also complement their classroom studies with at least three paid, career-related work terms. Apart from the co-operative education program, students are afforded the opportunity of other forms of experiential learning. These include: several foreign exchange programs, internship courses, independent study courses, and volunteer internships.

Career Tracks

Many kinesiology graduates enjoy careers in exciting fields such as clinical kinesiology; sport management; leisure programming; ergonomics; health and safety; fitness leadership; and sport marketing. Other graduates seek further professional training and enter traditional fields such as teaching and coaching, and facility management. Some use their degree as a background for further training in diverse fields such as medicine; chiropractic; physiotherapy; athletic therapy, or other allied health professions. A significant number of graduates continue their education in graduate school with a career goal of research and/or university teaching.

Labour Studies

Bachelor of Arts

This multidisciplinary program examines the development and impact of labour and social movements in Canada and globally. Courses in sociology, political science, history, economics, business, communication studies, and women's studies are combined with a core set of labour studies courses to provide a comprehensive view of work and its relationship to the economic, political, and social development of Canada and the world at large. Along with an examination of labour relations issues such as collective bargaining and labour law, a range of social issues are considered including poverty, unemployment, work stress, health and safety, education and training, gender discrimination, racism, technological change, child labour, and environmental pollution.

Career Tracks

Policy and research positions within labour unions; human resource management; industrial relations; training; government labour policy; labour and conflict dispute resolution; occupational health and safety; labour and employment law; and workers' compensation.

Law

Bachelor of Laws (LLB); MSW/LLB Joint Degree Program; JD/LLB Joint Degree Program

Bachelor of Laws (LLB)

Some of Canada's most successful people have included a legal education in their career preparation. Our admission policy and teaching philosophy reflect the prevailing theme of Access to Justice. The law degree program offers all the core subjects which are required by the Law Society of Upper Canada and other provincial and territorial law societies, as well as a wide spectrum of optional courses, seminars, and workshops that allow our students to enhance their knowledge and skills in specific areas of the law. UWindsor's curriculum and teaching styles, with this emphasis on clinical and experiential learning, are innovative and responsive. We have earned a well-deserved and much-admired reputation as a non-conventional law school.

Students at the Faculty of Law benefit from a curriculum which combines the theoretical with the practical. The first year of law studies includes six basic, mandatory courses (34 credits) in all the fundamental areas of law. In each of second and third year, students must complete between 29 and 32 credits (including 8 mandatory, second-year credits in Torts and Civil Procedure) from a wide variety of courses. Students also benefit from the opportunity to work in three legal clinics – Legal Assistance of Windsor, Community Legal Aid, and the University of Windsor Mediation Service. Further, the Faculty of Law is uniquely placed to

offer students an international perspective in law. Consistent with the Faculty's second theme – Canada-U.S. Relations – our students can take courses at the University of Detroit Mercy Law School and Wayne State University Law School.

Career Tracks

A Bachelor of Laws degree does not in itself entitle one to practise law. Each provincial and territorial Law Society requires a period of apprenticeship (articles) within that province or territory as a condition of being admitted to practice. Our law program offers our students training in the core areas required by the Law Society of Upper Canada and other provincial and territorial law societies to enable them to practise law.

In addition, our graduates are successful in a variety of careers and we encourage our students to explore non-traditional legal courses and other alternative vocations.

MSW/LLB Joint Degree Program

The objective of the MSW/LLB joint degree program is to promote the integration of law and social work through an interdisciplinary commitment to social justice. Students who are interested in social justice and want to learn the skills, theories, and practice tools to equip them to be competent leaders and agents of change within and between the diverse fields of the legal and social work professions may be interested in this program.

The joint degree program is designed to enable a student to obtain a Bachelor of Laws and a Master of Social Work a full year sooner than would be possible had the student chosen to pursue the degrees independently. Applicants who hold a Bachelor of Social Work degree will be eligible to complete the program in three years, while students without a BSW will be eligible to complete it in four years.

MSW/LLB graduates will be well positioned to serve the diverse and complex needs required of employers in the legal and/or human services. Children's Aid Societies, Office of the Children's Lawyer, and Legal Aid providers are possible employers of graduates from this program.

JD/LLB Joint Degree Program

The objective of the admissions policy is to select students who will excel in the course of study and have the potential to contribute creatively to the law school, the community and the profession. Enrollment is limited.

The J.D./LL.B. Program is a demanding program of study designed to:

- educate students in the legal doctrines and cultures of both Canada and the United States;
- assist students to successfully pass the bar examinations in either country;
- enable graduates to practise law in a manner consistent with the highest standards of competence, professional ethics, and concerns for justice as exemplified by the traditions of the legal profession in both countries.

The program requires a student to successfully complete 60 credit hours of course work at the University of Detroit Mercy and 44 credit hours of course work at the University of Windsor.

Most required courses taken at either law school require the student to study both U.S. and Canadian law relevant to the subject area. The program is designed to enable a student to obtain an American Bar Association-approved Juris Doctor degree from the University of Detroit Mercy and the nationally recognized Bachelor of Laws (LL.B.) degree from the University of Windsor within three calendar years.

Liberal and Professional Studies

Bachelor of Arts

For students who would rather have some knowledge in several fields of study instead of a concentrated number of courses in one major subject, or who need the flexibility to take courses when their work schedules allow, this three-year program is particularly appealing. There is no required major; instead, you will take courses in Arts, Social Sciences, Science or Engineering, and Business, and may select additional courses from any of 25 different departments.

Career Tracks

Excellent entry-level degree for business and industry where a B.A. is required; education; government agencies; law.

Marketing

See Business page 32.

Mathematics (General and Honours)

Mathematics and Statistics

Mathematics and Computer Science

Bachelor of Mathematics

This program is an excellent choice to prepare you for any career that requires critical thinking, analysis, and quantitative skills. We offer numerous courses in pure mathematics, applied mathematics (engineering and business), industrial mathematics (operational research), statistics, actuarial science, and numerical analysis. Our strong programs will prepare you for professional employment or for graduate studies. Our alumni consistently report that their training in mathematics and statistics provides them with a competitive edge in their career development.

Career Tracks

Actuary; business consultant; financial consultant; industrial consultant; operational research consultant; statistician; education; management; law; medicine; computer programmer; computer analyst; mathematics and statistics research.

Mathematics and Education (Concurrent)

(5 Years)

Bachelor of Mathematics (Honours) and Bachelor of Education

Students in this program will acquire the skills and knowledge in mathematics and one other teachable subject area, and also fulfill the requirements for certification by the Ministry of Education and Training (Ontario). Students will complete courses in Mathematics while concurrently studying education and participating in practice teaching experiences during the program.

Career Track

Teaching mathematics in schools at the intermediate and senior levels (Gr. 7 to 12).

Mechanical Engineering

Bachelor of Applied Science

Practically our entire modern world depends on mechanical systems and devices to produce goods, transport us, and improve our quality of life! This field of study has two major components: solid mechanics and thermofluids. You'll learn to master the fundamentals for designing, analyzing, and operating mechanical systems. In addition to the general Mechanical Engineering program, you can also choose one of three Mechanical Engineering option streams:

1) Mechanical Engineering with an Automotive Engineering Option

Bachelor of Applied Science

The Automotive Engineering Option provides Canada's first university-level engineering education in automotive topics. Developed in consultation with industry leaders and consultants, it introduces our graduates to the core technologies, practices and concepts which drive the design, manufacturing, and business of the automotive sector. This specialized knowledge and capability positions our graduates to be more effective and better-prepared for a rewarding career in this fast-paced and advanced industry.

2) Mechanical Engineering with an Environmental Engineering Option

Bachelor of Applied Science

The Environmental Option combines the core courses from Mechanical Engineering with upper level courses in air pollution control, occupational hygiene and safety, water/wastewater treatment, noise, environmental assessment, and solid waste management. Many industries and businesses world wide must address their environmental risks and seek better ways of doing business that are truly sustainable. You'll have the training to help improve a company from the inside by combining your knowledge of mechanical and environmental systems.

3) Mechanical Engineering with a Materials Option

Bachelor of Applied Science

Students with an interest in different types of materials and how they are processed to meet the demands of engineering components can choose the engineering materials option. The option focuses on the structure and properties of metals, ceramics, polymers and composites, as well as processing operations such as casting, welding and metal forming, all of which are critical to today's high performance and demanding industrial processes and consumer products.

Modern Languages and Second Language Education

Bachelor of Arts

The Modern Languages and Second-Language Education program provides an opportunity to learn a new language and explore the culture(s) associated with it to develop an understanding of the actual process of language acquisition.

First-year students in the program will enroll in the appropriate language course(s) in each semester (with placement determined by a program counsellor) and will take one core course in each semester of the first year. Core courses in later years include a second-language education theory course, methodology course and a practicum.

The program offers concentrations in German, Italian, and Spanish; two of these options can be combined in a double major. Students without prior knowledge of the language option chosen will be placed at the beginning level; those with prior knowledge/study will be placed appropriately.

Core courses in linguistics, literature, and culture complement the language sequence in each option area. Exciting double major combinations include Modern Languages with English, French, Political Science, Classics, History, Music, Psychology, and many other disciplines. No prior knowledge of German, Italian, or Spanish is needed to enter this program. Exchange opportunities are available in Germany, Italy and Spain.

Career Tracks

Teaching (often second or foreign language teaching and English as a second language); speech-language pathology/therapy; travel and tourism; international business; journalism; government; advertising; translation.

Movement Science

See Kinesiology page 40.

Music

Bachelor of Music (Honours program)

Interested in a professional career in music? This program is for you. It offers broad training in music as well as specialized study in music education, performance, history, composition, and conducting through various concentrations of the Honours Bachelor of Music degree. You will be able to study a diversity of music – from traditional Western art music to jazz, pop, world music, and more. Hone your musical skills through private instruction on a principal instrument (including voice), ensemble participation, and courses to improve listening, sight singing, and dictation. Music history, literature, and theory courses will develop your academic concepts. In first year, you'll study music theory and history, sight singing and ear training, and performance on your major instrument. You'll participate in an ensemble and take a subject outside music.

Career Tracks

Teaching; performance; composition; conducting; music criticism, arts administration; music technology; and more.

Music

Bachelor of Arts in Music (Honours program)

This program is designed for those intrigued with music and its role in social and cultural life. Because of this focus on academic study and on the development of creative and critical thinking skills rather than performance, students are admitted directly into this program without entrance audition. First-year courses include theory, history, aural skills, and ensembles, as well as courses in performance.

Career Tracks

Excellent preparation for careers and graduate studies in a variety of areas outside of music. This program is also an excellent starting place for those wishing to later pursue a professional music degree once they have refined their music skills.

Music Therapy

Bachelor of Music Therapy (Honours)

Looking for a career which will combine your love of music and a passion for working with people? Music therapy does just that. The only direct-entry music therapy program offered in Ontario, our program provides you with classroom study and clinical training, and the unique opportunity to work with music therapists in Canada and the U.S.. You will study a diversity of music – from traditional Western art music to jazz, pop, world music, and more. In first year, you'll take courses in music theory, ear training, performance on your major instrument/voice, concepts and skills in music therapy and guitar, and introductory psychology. A 1,000-hour internship is part of your degree program, leaving you eligible for accreditation upon graduation. The University of Windsor Music Therapy program is the only program approved by both the Canadian Association for Music Therapy (CAMT) and the American Music Therapy Association (AMTA).

Career Tracks
Music Therapist; consultant.

Nursing

Bachelor of Science in Nursing

UWindsor's Faculty of Nursing undergraduate programs give the prospective nurse a broad educational background in all necessary areas of nursing, science and the social sciences.

Clinical experiences begin in Year One, and include hospitals, home care, schools and other community health settings. Independent learning laboratories, simulated activities and individual conferences with faculty, lay the foundation for professional nursing.

Four-year B.Sc.N. students earn the pre-requisites to write the registration exams of the College of Nurses of Ontario to become registered nurses.

Career Tracks

Challenging and rewarding roles in health care are awaiting graduates of our baccalaureate program. Hospitals, health care centres, public health agencies, home care agencies, occupational health organizations, rehabilitation centres and private practice here and abroad are areas in which the B.Sc.N. registered nurse may select opportunities to practise as clinician, counsellor, educator, researcher or consultant as their interests and expertise determine. The students are also prepared to pursue graduate studies if desired.

Philosophy

Bachelor of Arts

The rapid scientific, technological, environmental, political, cultural, and economic changes that our world is undergoing make a discipline that cultivates the abilities to understand and criticise underlying principles of action and belief more necessary than ever. Philosophy is the discipline which develops students' ability to systematically question and criticise accepted practices and beliefs as well as to argue rigorously in support of unexplored possibilities.

Far from the ivory tower pursuit it is sometimes made out to be, philosophy is centrally involved in the investigation of the most important problems facing our world. Philosophers at UWindsor are at the forefront of research into what makes reasoning and argument sound or unsound, the roots of environmental problems, the possibility of artificial intelligence, the struggle of women for equality, and the future of democracy and a rational society. If you are interested in exploring these kinds of issues and want to develop the abilities to reason and argue clearly and convincingly about them, philosophy is for you.

Career Tracks

Law; business; civil service; politics; journalism; advertising; teaching; and any other job where careful, creative, and critical thinking are valued.

Physical Geography

Bachelor of Science

Physical Geography provides a solid understanding of the physical and environmental processes and relationships that shape the surface of the world we live on. This major, in combination with appropriate options, allows for specialization in: climatology/ meteorology (physics); geomorphology and terrain analysis (geology); biogeography (biology); computer cartography (computer science); soil science (chemistry and biology); and GIS geographical information systems (computer science).

Career Tracks

Land management; resource and land management; GIS/Remote sensing analysis; environmental impact assessment; environmental consulting; teaching/education; government; and industry.

Physics and High Technology (Co-op)

Physics and High Technology (Fast Track)

Physics and High Technology (Medical

Physics) (Co-op)

Bachelor of Science

Physics, as the most fundamental of sciences, offers a depth of understanding of natural phenomena that underlies all other sciences and engineering. Discoveries made by physicists provide the knowledge base on which the world of high technology is built. The results profoundly shape our society, its culture and our lives. The recently introduced stream in Medical Physics is designed to prepare students for a professional career in this rapidly growing area of employment. UWindsor's Physics Department is among the best in Canada; it has been widely recognized for professional research and teaching excellence. Students engage in experimental and theoretical study in basic and applied research and in sub-fields ranging from atomic physics to acoustics and medical applications. All students become associated with a research group and acquire first-hand experience which gives them a competitive edge in the job market. The first year focuses on the basic courses in physics, chemistry and mathematics, plus two electives. The program includes a special course on practical problem-solving, emphasizing computer-aided graphical and computational methods.

Career Tracks

There is currently a great need for physicists in all areas of Medical Physics. In addition, the program is excellent preparation for challenging and rewarding careers in high technology industry, research and development in government and university laboratories, teaching at the high school and postsecondary levels, and technical sales or consulting. The program provides preparation for further studies in engineering; law; medicine; dentistry; health; physics; business and computer applications.

Political Science

Bachelor of Arts

What are the rights and responsibilities of a citizen in the new millennium? How do organized power structures shape your present and your future? Our political science program analyzes the use of power within Canada and other countries, and on the global level. We also discuss social justice issues, political theory, the environment, and Canada's responsibilities in the world. We offer an Internship in Public Service Management during Years 3 and 4, as well as courses in public administration and public policy. In your first year, you will take all three first-year courses: Canadian Politics, World Politics and Comparative Politics.

Career Tracks

Public service; labour unions; law enforcement; journalism; consulting and survey research; business; citizen advocacy and community activism. Excellent preparation for law school or a teacher training program.

Psychology

Bachelor of Arts

What makes people think and act the way they do? What causes people to interact with each other in functional and dysfunctional ways? To what extent is our behaviour influenced by our personality and the environment around us? Our General Psychology, Honours Psychology and Honours Psychology with Thesis programs provide a broad base of knowledge concerning many aspects of human behaviour and experience. Courses cover many topics including memory, motivation and decision-making; when, how, and why people are influenced by the attitudes and actions of others; the origins and treatment of mental illness; human development from birth to death; and the role of culture in shaping the way we think and behave. The program includes large and small lectures, seminars and discussion groups, and opportunities for active learning and participation in field settings.

Career Tracks

Graduates of the Honours Psychology with Thesis program may pursue M.A. or Ph.D. degrees in Psychology. Graduates of the Honours Psychology program may go on to professional degrees in education; law; social work; medicine, or directly to careers in many different employment settings, including business and industry, government, health care settings and community agencies. Graduates of the General Psychology program may pursue employment in various fields, or use their degree as a foundation for later certificate programs that will enhance their employability in careers related to business or social services.

Behaviour, Cognition, and Neuroscience

See page 31.

Developmental Psychology

See page 35.

Science (General)

See General Science page 38.

Social Justice Studies

Bachelor of Arts (as a combined major)

This program is designed to be taken with another major program. Social Justice Studies is a multi-disciplinary area that enables students to gain insight into the unique and complex challenges facing societies throughout the world. In a world increasingly characterised by conflict, on a global and a national level, there is an urgent need for individuals who can bring clarity of thought and depth of understanding to bear upon our most pressing social, economic, and political problems. In this program, you will explore the roots of inequalities and evaluate different strategies to bring about social change. You will study diverse visions and dimensions of social justice, both past and present and examine the role of political economy, culture, and identity in addressing injustice in Canada and globally. The program includes a social justice practicum.

Career Tracks

Community agencies; public sector; politics; international human rights/development/education/poverty alleviation agencies.

Social Work

Bachelor of Social Work

Social workers aim to improve the lives of individuals, families and communities in an increasingly complex society. Our program prepares students for professional registration in the Ontario College of Social Workers and elsewhere. The first two years combine social work courses with courses in psychology, sociology and other disciplines. The professional concentration in Years 3 and 4 combines course work with extensive field education in more than 50 social agencies in the Windsor-Detroit area.

Career Tracks

Community agencies; hospitals; correctional services; schools; substance abuse counselling; children's aid societies; residential centres; working with persons who are disadvantaged, troubled, homeless, or disabled; social planning bodies; and advocacy associations.

Social Work and Diaspora Studies

Bachelor of Social Work

This Combined Honours Bachelor of Social Work degree in Social Work and Diaspora Studies provides students with the opportunity to pursue interdisciplinary studies in two cognate areas. This unique program will enable students to understand the responsibility of using social work knowledge, values and skills in pursuit of social justice and human rights with a focus on issues of diversity, equity, accessibility and other anti-oppressive practice pinnacles.

Career Tracks:

Government agencies, hospitals, correctional services, education, law, volunteer agencies In a children's services, residential centres, family services.

Social Work and Women's Studies

BSW In Social Work and Women's Studies

The University of Windsor's Social Work and Women's Studies program's Is unique in North America. Our focus is social justice in its broadest sense. Our

multi-faceted approach takes into account the various ways that society marginalizes certain groups and gives advantages to others. You hear the many voices of people who are vulnerable and at risk and learn how race, social class, religion, sexual preference, and gender shape society and culture in Canada and elsewhere. You acquire the specialized knowledge and skills needed to make a positive difference in the lives of others. On graduation, you are ready to become a registered social worker in the Ontario College of Social Workers and Social Service Workers and prepared for jobs in a wide variety of government and non-profit organizations.

Career Tracks

Child and youth protection services, women's shelters, sexual assault treatment centres, community development agencies, hospitals, correctional services, or schools.

Sociology

Bachelor of Arts

Sociology explores relationships, ranging from intimate and family relations, to relationships among communities, genders, classes, movements, race and ethnic groups, corporations, and governments. UWindsor's Sociology program examines processes of globalization within and between industrial and developing societies, and focuses especially on social justice issues. Learn the basics, then delve into the area that fascinates you: international development; migration, racialization and ethnic relations; work; theory and methods; or family, sexuality, and gender.

Career Tracks

Teaching; methodological and analytical skills for employment in government, business, law, and community and social service agencies.

Sociology and Criminology

Bachelor of Arts

In a combined degree in Sociology and Criminology, students have the opportunity to make connections between what they learn in Criminology and what they learn in Sociology. You can explore, for example, the potential links between how social relations are structured in society and the causes of crime and criminal behaviour.

Career Tracks

Law; teaching; law enforcement; security; and community and government agencies.

Spanish

See Modern Languages and Second Language Education page 42.

Sport Management

See Kinesiology page 40.

Sport Studies

See Kinesiology page 40.

Undeclared – First Year

Bachelor of Arts

Many students are not ready to commit to a specific major when they enter university. They want to use their first year to explore the world of ideas and subjects available at university. At UWindsor, Undeclared students will take a Discovery Program, which includes courses in Foundations of Academic Writing, which will help them succeed in later courses, no matter what major they eventually choose. It also has a special double-credit course "Understanding the Contemporary World", where they will learn to examine ideas in a variety of subjects and in several different ways. If you haven't made up your mind about your major, this program gets you started and gives you time to "see what's out there" before deciding on a major. The courses you take in your first year will normally count toward whatever major you select, and you will be much more certain that you've found the right major for you.

Visual Arts

Bachelor of Arts

Bachelor of Fine Arts

This program offers the developing artist excellent working space, an invaluable foundation of skills, a supportive and rigorous faculty and an opportunity to explore, share and realize individual creativity and expression. A strong foundation in studio practices and art history, combines with exhibition opportunities and exposure to the cultural institutions of Windsor and Detroit. Drawing, painting, printmaking, photography, sculpture and integrated media (digital sound and video) are available. BFA students have individual studio space during Year 4.

Career Tracks

Artist; designer; curator; gallery and art director; arts administrator; computer graphics and web designer; illustrator; teacher; art technician.

Visual Arts and the Built Environment

Bachelor of Fine Arts

Visual Arts and the Built Environment is a unique new program offered by the University of Windsor's School of Visual Arts in collaboration with the University of Detroit Mercy's (UDM) School of Architecture. This cross-border program combines the study of art and architecture and offers students the breadth of knowledge and experience in both disciplines. Students have the opportunity of taking courses in Windsor and Detroit. Those interested in pursuing architecture and who qualify, can at the end of their third year apply to the Architectural Program at UDM. This option leads either to a Bachelor of Science degree in architecture after their fourth year from UDM, or if they pursue a fifth year of study, a professional degree at the Master's level from UDM. Students whose primary interest is in visual arts can complete their fourth year at the University of Windsor and graduate with a Bachelor of Fine Arts and the Built Environment.

Career Tracks

This interdisciplinary BFA program prepares students for career opportunities and further study at the master's level. By studying the built environment students are prepared to work in such areas as: building design, urban planning, restoration, architectural journalism, project management, and art/architectural history.

Visual Arts and Communication Studies

Bachelor of Arts

This combined program integrates an invaluable foundation of artistic skills with the analytical exploration of communication media offering a solid background for pursuing careers in multimedia. Communication Studies analyzes the forms and contexts of mass media in such areas as video, film, sound production, photography, and the press, while Visual Arts provides a strong foundation in studio practices and art history, combined with exhibition opportunities and exposure to the cultural institutions of Windsor and Detroit. Drawing, painting, printmaking, photography, sculpture, and integrated media (digital sound and video) are available. On-campus media production facilities are complemented by the Communication Studies production unit, Media for a Change, and by campus media outlets like CJAM Radio-91.5 FM and *The Lance* student newspaper. Practicum courses may lead to placements both on and off campus.

Career Tracks

Television, film and video production; radio and print journalism; policy analysis for media and government agencies; opinion research; public relations; advertising; teaching; artist; desktop publishing; designer; curator; gallery and art director; arts administrator; art technician; web designer; illustrator; teacher.

Women's Studies

Bachelor of Arts

UWindsor's innovative Women's Studies program will engage and challenge you. Our goal is to help you "find your voice," to fulfill your potential, to learn about the world and communicate what you know to others. A deep understanding of women and gender are at the heart of the program. But this is not its boundary. Women's Studies is concerned with social justice in its broadest sense. Our courses examine how race, social class, religion, sexual preference, and gender shape how people think and act in Canada and elsewhere. They are about changing the world and making a difference. Our introductory courses, Women in Canadian Society, Women and Religion, Gal Pals, and Imagining Women appeal to students in a wide variety of programs. You can major in Women's Studies or Women's Studies and another subject. Women's Studies and Psychology, History, Criminology, or Sociology are popular combinations, as is our new Bachelor of Social Work in Women's Studies degree program.

Career Tracks

Social work; teaching; advocacy associations; law; library science; early childhood education; human resources; business; sexual abuse therapy; and graduate study in a variety of disciplines, such as women's studies, psychology, and sociology. A major in women's studies offers you all the benefits of a liberal arts degree with the critical edge needed in today's diverse workplace.