

# ACADEMIC PROGRAMS

## ACADEMIC PROGRAMS

Fond du Lac Tribal and Community College offers a complete schedule of courses across a wide range of programs and areas of concentration. Students can choose to work toward a two-year Associate of Arts, Associate of Applied Science, or Associate of Science degree program. Students may also choose to complete credits for transfer to another college as specified in the Minnesota Transfer Curriculum. Short-term certificate programs are also available. Degrees and credits earned at FDLTCC transfer to most other colleges and universities.

## Liberal Arts and Sciences Transfer Programs

Students planning to transfer to another institution to complete a four-year college degree can begin their program at FDLTCC by completing an Associate of Arts or an Associate of Science degree. Students who will be transferring to another institution should keep in mind the requirements of that institution when selecting courses in their major area of study. While students attending a community college are not required to declare a major, students should keep the goal of their education in mind throughout their college career. FDLTCC offers students a foundation for most majors. Students attending FDLTCC may consider the following areas of concentration:

- Accounting
- American Indian Studies
- Art
- Biology
- Business
  - Tribal Management Option
- Chemistry
- Child Development
- Computer Science
- Corrections
- Criminology/Criminal Justice
- Education
  - Early Childhood
  - Elementary
  - Secondary
- Electric Utility Technology
  - Relay Technician
- English
- Environmental Science
- Food Science and Nutrition Studies
- History
- Human Services
- Law Enforcement
- Liberal Arts
- Mathematics
- Music
- Nursing
- Political Science
- Psychology
- Social Work
- Sociology
- Speech Communication

## Career and Technical Education Programs

The Associate of Applied Science and/or the Associate of Science degree is awarded to students who complete the requirements in approved career and technical education programs. Career and technical education programs at FDLTCC provide training and education that can lead students directly into a position in their chosen career area. These programs of study also provide a solid educational foundation for students seeking advanced training or a four-year degree.

- Business
  - Finance
- Computer Security
- Corrections
- E-Crime
- Electric Utility Technology
  - Relay Technician
- Environmental Science
- Food Science and Nutrition Studies
- Geographic Information Systems and Visualization
- Human Services
  - American Indian Focus Option
  - Chemical Dependency Option
  - Youth and Family Option
- Integrated Information Technology
- Law Enforcement
- Nursing

## Certificates

Completing certificates at FDLTCC provides training in specialized areas. Certificates are designed to be completed in a short period of time, and may be used as a starting point to future educational opportunities.

- Anishinaabe
- Computer Forensics
- Computer Security
- Child Development
  - Infant and Toddler Child Development
  - Preschool Child Development
  - School Age Child Development
- Business/Finance
  - Finance
  - Small Business/Entrepreneurship
- Geographic Information Systems and Visualization
- Registered Nursing Assistant/Home Health Aid
- Law Enforcement Skills
- Management Development
- Paraprofessional Educator

## Liberal Arts and Sciences Transfer Programs

The mission of the liberal arts and sciences program is

- to prepare students for the future by promoting cultural diversity within a global perspective.
- to expose students to a broad spectrum of knowledge and an open exchange of ideas.
- to promote an understanding of the human experience and the inter-relation of the personal, social, and historical dimensions of human life.
- to promote scholarship and academic excellence.
- to promote respect for individuals, the community, and the environment.

The liberal arts and sciences curriculum provides an excellent background in general education and will transfer to a wide variety of colleges and universities.

### Accounting

The most common preparation for a career as an accountant is a bachelor's degree with a major in Accounting. The professionally trained accountant serves in many areas of private business, government, public and social service institutions, and in the field of public accounting. Course requirements may vary depending on the specific concentration and the four-year transfer school you select. It is important that you consult with the counselor or transfer specialist at FDLTCC and the transfer institution you are interested in attending.

#### *Required courses*

- ACCT 2001/2002 Financial Accounting I and II
- BUS 1001 Introduction to Business

#### *Recommended courses*

- ACCT 2010 Computerized Accounting Applications
- BUS 2020 Principles of Management
- BUS 2035 Principles of Financial Management
- BUS 2036 Money and Banking
- BUS 2038 Financial Statement Analysis
- BUS 2040 Legal Environment of Business
- ECON 2010 Principles of Economics:  
Microeconomics
- ECON 2020 Principles of Economics:  
Macroeconomics

## American Indian Studies

American Indian Studies provides the opportunity for students to study history, contemporary developments, and tribal cultures. Knowledge of the contributions to our social, political, economic, and scientific development will enable students to acquire a broader view and a deeper appreciation of American Indian heritage, providing the student with the requirements for a minor in American Indian Studies. Depending on the transfer institution, these courses may form the basis for a major in American Indian Studies.

Course requirements may vary depending on the four-year transfer school you select. It is important that you consult with the counselor or transfer specialist at FDLTCC and the transfer institution you are interested in attending.

#### *Courses with an American Indian focus:*

- AMIN 1050 Anishinaabeg of Lake Superior
- AMIN 2030 Contemporary American Indian Concerns
- AMIN 2001 Federal Laws & the American Indian
- ANSH 1001 Introduction to Anishinaabe Language
- ANSH 1002 Anishinaabe Language II
- ANSH 2001 Anishinaabe Language III
- ANSH 2002 Anishinaabe Language IV
- ANTH 1001 Introduction to American Indian Studies
- ART 1060 American Indian Art
- BUS 1058 Tribal Management
- HIST 1050 American Indian History I
- HIST 1051 American Indian History II
- MUSC 1035 American Indian Music
- PE 1051 American Indian Traditional Dance
- PE 1052 American Indian Games
- PHIL 2030 American Indian Philosophy



## Art

Students at FDLTCC have a unique opportunity to familiarize themselves with American Indian Art. The following courses will provide the student with a broad base for a four-year major in studio art, art education or related fields. Course requirements may vary depending on the specific concentration and the four-year transfer school you select. It is important that you consult with the counselor or transfer specialist at FDLTCC and the transfer institution you are interested in attending.

### Core Courses

- ART 1010 Drawing I
- ART 1020 Design
- ART 1080 Art History I
- ART 1081 Art History II

### Electives

- ART 1030 Painting
- ART 1040 Watercolors
- ART 1060 American Indian Art
- ART 1070 Introduction to Jewelry
- ART 2010 Sculpture
- ART 2020 Ceramics



## Biology

The challenges in Biology confronting today's graduate are not only interesting and demanding, but also quite diverse. The fantastic growth and divergence of the sciences have significantly broadened the horizons for future biologists. Biology, now more than ever, cuts across boundaries of traditionally established disciplines. It is necessary that the undergraduate be well- trained in a



broad spectrum of basic sciences and mathematics.

Students interested in pursuing a degree in Biology or Aquatic Biology may refer to the Environmental Science degree program requirements in this section of the catalog.

Course requirements may vary depending on the specific

concentration and the four-year transfer school you select. It is important to consult with the counselor or transfer specialist at FDLTCC and the transfer institution you are interested in attending.

### Recommended Courses

- BIOL 1101 General Biology I
- BIOL 1102 General Biology II
- BIOL 2010 Microbiology
- BIOL 2020 Anatomy and Physiology I
- BIOL 2021 Anatomy and Physiology II
- BIOL 2050 Principles of Ecology
- BIOL 2030 Botany
- BIOL 2031 Zoology
- CHEM 1010 General Chemistry I
- CHEM 1011 General Chemistry II
- MATH 1010 College Algebra
- MATH 2001 Calculus I
- MATH 2002 Calculus II
- PHYS 1001 General Physics I
- PHYS 1002 General Physics II

## Business

FDLTCC offers several options for students who are interested in a career in business and financial services. Students may elect to work toward an Associate of Arts degree or an Associate of Science degree with an emphasis in either Finance(banking), Small Business/ Entrepreneurship, Insurance, Real Estate, or Tribal Management. Students also have the option to complete a short-term certificate program in Finance, Small Business/ Entrepreneurship, Insurance, or Real Estate (Certificate program requirements are listed later in this section of the college catalog.)

A two-year degree at FDLTCC provides a foundation for upper division study at a four-year institution, or graduates may decide to go directly into a professional position. Students completing the certificate program may decide to continue their studies toward a two-year degree, or take the licensure exam in their area of interest and go directly into the workforce.

Typically, students earning a degree at FDLTCC with a concentration in Business will transfer to a four-year school to work on a bachelor's degree. Credits earned at FDLTCC will transfer to most postsecondary institutions in Minnesota and the surrounding states. Articulation agreements have been established with the Business Departments at several colleges in the region. Credits earned in the degree program at FDLTCC will be accepted at these institutions. Students are encouraged to consult with a counselor or transfer specialist at FDLTCC and at the transfer school of interest.

### Associate of Science Degree

#### *Required Program Courses*

- ACCT 2001 Financial Accounting I
- ACCT 2002 Financial Accounting II
- BUS 1001 Introduction to Business
- BUS 1035 Database and Data Spreadsheet
- BUS 1050 Business Math
- BUS 1080 Personal Finance
- BUS 2040 Legal Environment of Business
- MKTG 1030 Salesmanship



*Required Electives: Select a minimum of 9 credits from the following courses:*

- BUS 1064 Customer Service
- BUS 1072 Topics in American Indian Entrepreneurship
- BUS 2020 Principles of Management
- BUS 2036 Money and Banking
- BUS 2037 Topics in Tribal Finance
- BUS 2038 Financial Statement Analysis
- BUS 2060 Introduction to Business Plan Development
- MKTG 1020 Small Business Management
- MKTG 1035 Sales Promotion and Advertising

#### *General Education Requirements*

- AMIN 1050 Anishinaabeg of Lake Superior
- ART 1060 American Indian Art

OR

- MUSC 1035 American Indian Music
- ECON 2010 Principles of Economics: Microeconomics
- ECON 2020 Principles of Economics: Macroeconomics

ENGL 1001 College Writing I: Composition and Research

ENGL 1020 College Writing IIB: Writing for Work

MATH 1030 Introduction to Statistics

PE 1051 American Indian Traditional Dance

OR

PE 1052 American Indian Games

PHIL 2010 Ethics

SPCH 1010 Public Speaking

SPCH 1030 Intercultural Communication

To complete an Associate of Arts degree in addition to the Associate of Science degree outlined above, students must complete courses from the following goal areas:

- Natural Science (two courses, one with lab)
- People and the Environment
- Physical Education (one additional course)

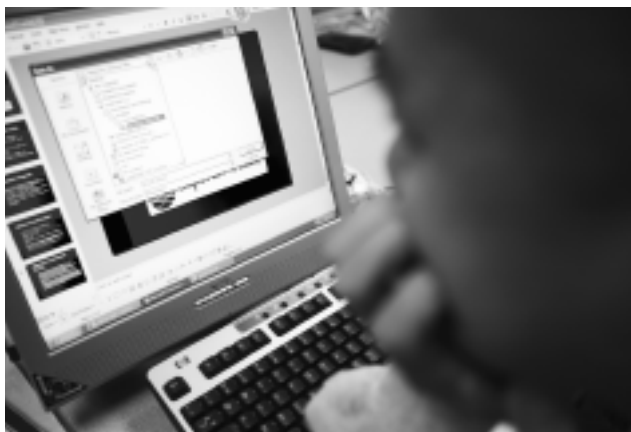
## Business/Tribal Management Option

The following curriculum includes many of the lower division requirements of most transfer institutions for a degree in Business Administration with an emphasis on Tribal Management and will satisfy some of the requirements for an Associate of Arts degree at FDLTCC.

Course requirements may vary depending on the specific concentration and the four-year transfer school you select. It is important that you consult with the counselor or transfer specialist at FDLTCC and at the transfer institutions you are interested in attending.

### *Recommended Courses*

- ACCT 2001 Financial Accounting I
- AMIN 2001 Federal Laws and the American Indian
- ANSH 1001 Introduction to Anishinaabe Language
- BUS 1058 Tribal Management
- BUS 1055 Business Communication
- BUS 1056 Introduction to Grant Writing
- BUS 2030 Personnel Administration
- CSCI 1001 Computer Literacy
- HIST 1050 American Indian History I
- HIST 1051 American Indian History II
- HLTH 1001 Personal, Tribal, and  
Community Health



## Chemistry

The challenges in Chemistry confronting today's graduate are not only interesting and demanding but also quite diverse. The fantastic growth and divergence of the sciences have significantly broadened the horizons for future chemists. The wide range of science-based courses offered at FDLTCC will provide a good base for those students desiring a career in chemistry or a related field. Course requirements may vary depending on the specific concentration and the four-year transfer school you select. It is important that you consult with the counselor or transfer specialist at FDLTCC and the transfer institution you are interested in attending.

## Computer Science

Courses in this department have been designed to give students solid preparation for completing a four-year degree in computer science. For transfer to public four-year colleges and universities in Minnesota, students should complete the FDLTCC Associate of Arts degree, which satisfies liberal arts requirements as per Minnesota Transfer Curriculum design. Within the FDLTCC Associate of Arts degree plan, students should also complete key courses and sequences which are required for most bachelor's degrees in Computer Science. Students without previous computer experience should begin with CSCI 1001, Computer Literacy. With the permission of the instructor, students may begin with CSCI 1020, Introduction to Programming. The second year sequence includes CSCI 2010/2011, Introduction to Computer Science I and II. Students will also need to complete MATH 2001/2002, Calculus I and II. Depending on previous experience, students may need to take additional math courses such as MATH 1010, College Algebra, and Math 1015, Trigonometry, to prepare for Calculus. Students should also complete one year-long science sequence, with lab, in Biology, Chemistry or Physics.

## Corrections

The mission of the Corrections Department at FDLTCC is to prepare students for a career in the dynamic field of corrections, and to prepare students for ease of transfer into 4-year institutions. To ensure a degree program that is sensitive to the needs of potential employers and transfer institutions, the curriculum has been developed with extensive and continuous input from corrections professionals representing regional correctional facilities and academic staff from local colleges and universities.

The Associate of Science degree in Corrections from FDLTCC is articulated for transfer to the Criminology program at the University of Minnesota-Duluth. Upon successful completion of the two-year Corrections degree program at FDLTCC, students would gain upper-division status at UMD. This articulation is subject to change, and as with all transfer programs, students are advised to meet with counselors at both FDLTCC and their intended transfer institution to ensure maximum benefit of the transfer process.

### Associate of Science Degree

#### *Required Program Courses*

- CORR 2001 Legal Issues in Corrections
- CORR 2005 American Jail and Prison Systems
- CORR 2010 Clinical Skills for Corrections
- CORR 2030 Interpersonal Communication in a Correctional Setting
- CORR 2040 Diversity Issues in Corrections Facilities
- CORR 2050 Social Problems in Correctional Facilities
- CORR 2090 Corrections Internship
- HLTH 1050 Emergency Response/First Responders
- LAWE 1001 Introduction to Criminal Justice
- LAWE 1010 Crime and Delinquency

#### *General Education Requirements*

- AMIN 1050 Anishinaabeg of Lake Superior
- ENGL 1001 College Writing I: Composition and Research
- ENGL 1020 College Writing IIB: Writing for Work
- MATH 1030 Introduction to Statistics (recommended)
- PHIL 2020 Critical Thinking
- POLS 1020 State and Local Government
- PSYC 2001 General Psychology

- SOC 1001 Introduction to Sociology
- SOC 1020 Human Relations
- SOC 2010 Social Problems
- SPCH 1020 Interpersonal Communication
- Natural Sciences (one course)
- Physical Education (one course)

To earn an Associate of Arts degree in addition to the Associate of Science degree outlined above, the student must complete a course from each of the following goal areas:

- Natural Sciences (one course must have a lab component)
- Humanities and Fine Arts (from a discipline other than the one used for the Associate of Science degree)
- Global Perspective
- Physical Education

## Criminology/Criminal Justice

The study of criminology or Criminal Justice provides the student with a focus on the study of crime and criminal behavior. The student has the opportunity to complete the requirements for the Minnesota Board of Peace Officer Standards and Training (POST) Program (see Law Enforcement program requirements) while also fulfilling the lower division requirements for a four-year degree program in Criminology or Criminal Justice (also see Corrections program requirements). Additionally, students will acquire an understanding and recognition of cultural diversity that is an asset in the current job market.

Students interested in pursuing a degree in Criminology or Criminal Justice should refer to the Law Enforcement degree program requirements in this section of the catalog.

Course requirements may vary depending on the specific concentration and the four-year transfer school you select. It is important that you consult with the counselor or transfer specialist at FDLTCC and at the transfer institution you are interested in attending.





## Education

Lower division courses are offered at FDLTCC for students preparing for teaching careers in elementary or early childhood education settings. Since each college education program has differing course requirements it is imperative that students contact the four-year institution they are interested in attending as they begin to plan their course work at FDLTCC.

### Early Childhood Education

Students intending to transfer to a four-year institution for teacher certification must consult with that institution for specific program and course information. For those students pursuing a two-year degree without the intent of transfer, the following general education courses are recommended to fulfill the requirements of an Associate of Arts degree with a certificate in Early Childhood Education.

AMIN 1050 Anishinaabeg of Lake Superior

ART 1001 Introduction to Art

BIOL 1060 Environmental Science

ENGL 1001 College Writing I:  
Composition and Research

ENGL 1010 College Writing IIA:  
Introduction to Literature

OR

ENGL 1040 College Writing IID:  
American Indian Literature

GEOG 1020 Cultural Geography

MATH 1050 Mathematics for Elementary Teachers

MUSC 1030 Music of the World's People

OR

MUSC 1040 Fundamentals of Music Theory

PHYS 1020 Introductory Astronomy

SOC 1050 The Family as a Social Institution

SPCH 2010 Family Communication

*Select one:*

ANTH 1020 Cultural Anthropology

PSYC 2001 General Psychology

SPCH 1050 The Family as a Social Institution

SPCH 1030 Intercultural Communication

Two courses in physical education.

Remaining courses should be selected in consultation with an advisor.

Students should also complete one of the Child Development Certificates: Infant and Toddler, Preschool, or School Age. Requirements are listed in the Certificate Programs section of the catalog.

## Elementary Education

This emphasis is designed for those students preparing for teaching careers in elementary schools. FDLTCC's unique multicultural climate provides students with the opportunity to recognize and understand cultural diversity. Students may complete the majority of their lower division and general education requirements at FDLTCC.

The mission of the Elementary Education program is to prepare teachers utilizing the Good Path of the Anishinaabeg. Following the Good Path, students will be grounded in their own traditions and cultures, providing a bridge to the unity of cultures, and creating an awareness of individuals and communities. The program provides teachers with the knowledge, skills, and abilities to be effective classroom teachers of all learners.

Course requirements may vary depending on the four-year transfer school you select. It is important that you consult with the counselor or transfer specialist at FDLTCC and at the transfer institution you are interested in attending.

### *General Education Requirements*

AMIN 1050 Anishinaabeg of Lake Superior

ANSH 1001 Introduction to Anishinaabe Language

ART 1001 Introduction to Art

BIOL 1060 Environmental Science

CSCI 1050 Computers in Education for Teachers

EDU 2001 Historical and Contemporary Issues in  
American Indian Education

ENGL 1001 College Writing I:  
Composition and Research

ENGL 1040 College Writing IID:  
American Indian Literature

ENGL 2050 Introduction to Language

GEOG 1040 World Regional Geography

HIST 1050 American Indian History I

MATH 1010 College Algebra

MATH 1050 Mathematics for Elementary Teachers

MUSC 1040 Fundamentals of Music Theory

SOC 1020 Human Relations

SPCH 1010 Public Speaking

One additional Science elective.

Two courses in Physical Education.

Additional electives should be selected to meet the lower division requirements of your intended transfer institution.

## Secondary Education

Students planning to complete a bachelor's degree with a teaching certificate will need to check the requirements of the transfer institution and the state in which they are

planning to teach. At FDLTCC, students can complete their general education requirements and some of the lower division requirements for their major field. FDLTCC's unique multicultural climate provides students with the opportunity to recognize and understand cultural diversity.

### **Electric Utility Technology**

The Electric Utility Technology program prepares students to enter established apprenticeship programs in a career field with growing demand for new employees. Students have the option of transferring to a four-year degree program in areas such as Industrial Technology.

### **Associate of Science Degree**

#### *Required Program Courses*

- BUS 1035 Database and Data Spreadsheets
- CSCI 1001 Computer Literacy
- EUT 1001 Introduction to Electric Utilities
- EUT 1010 Introduction to Alternative and Renewable Energy Systems
- EUT 1030 Transmission, Distribution, and Metering of Power
- EUT 1040 Power Electronics and Communications Equipment
- EUT 1050 Protective Relaying

#### *General Education Requirements*

- AMIN 1050 Anishinaabeg of Lake Superior
  - BIOL 1060 Environmental Science
  - ENGL 1001 College Writing I: Composition and Research
  - ENGL 1020 College Writing IIB: Writing for Work
  - GEOG 1030 Environmental Conservation
  - MATH 1010 College Algebra
  - PHYS 1030 Meteorology
- OR
- PHYS 1010 Introductory Astronomy
  - POLS 1020 State and Local Government
  - Physical Education (one course)

### **English**

The English Department offers a variety of courses in literature and writing to enable students to select those suitable for their personal and professional interests and needs. A number of these courses reflect FDLTCC's multicultural environment with their focus on human diversity and the contribution of the American Indian. All students are required to take ENGL 1001 College Writing I: Composition and Research.

Students planning to major in English at a transfer institution should take as many English courses as possible. In making course selections, students should consult a counselor or transfer specialist at FDLTCC and at the transfer institution they are interested in attending.



## Environmental Science

Students seeking careers related to biological and environmental sciences may work toward an Associate of Science degree at FDLTCC. This degree provides a solid foundation for upper-division study at a bachelor's granting institution, or the opportunity to directly enter the workforce.

A broad range of courses leading to many environmental and biological science professions is available at FDLTCC. The Environmental Science associate of science degree program at FDLTCC will provide the foundation of coursework for students interested in the career areas listed, as well as most other environmental-related professions: aquatic biology, agriculture, biology, conservation officer, ecology, environmental consulting, environmental studies, forestry, fisheries, geographic information systems, geology, life science and environmental education, marine biology, park ranger/recreation, pollution control specialist, soil science, water quality management, veterinary medicine, wildlife biology, and zookeeping. In addition, a Geographic Information Systems (GIS) certificate from Fond du Lac Tribal and Community College provides a valuable tool for students interested in Environmental Science.

Course requirements may vary depending on the specific concentration and the four-year transfer school you select. It is important that you consult with the counselor or transfer specialist at FDLTCC and at the transfer institutions you are interested in attending.

### Associate of Science Degree

#### Required Program Courses

- BIOL 1101 General Biology I
- BIOL 1102 General Biology II
- BIOL 1060 Environmental Science
- BIOL 2050 Principles of Ecology
- CHEM 1010 General Chemistry I
- GEOL 1001 Physical Geology
- PHYS 1001 Introduction to Physics I

#### Select one:

- BIOL 2030 Botany
- BIOL 2031 Zoology
- BIOL 2040 Native Plant Identification
- BIOL 2060 Aquatic Biology

#### General Education Requirements

- AMIN 1050 Anishinaabeg of Lake Superior
- ECON 2010 Principles of Economics:  
Microeconomics
- ENGL 1001 College Writing I:  
Composition and Research
- ENGL 1020 College Writing IIB: Writing for Work
- MATH 1010 College Algebra

OR

- MATH 1030 Introduction to Statistics
- PSYC 2001 General Psychology
- Humanities (two courses from different disciplines)
- Physical Education (one course)

To complete an Associate of Arts degree in addition to the Associate of Science degree outlined above, the student must complete a course from each of the following goal areas:

- Communication (one course from Group C)
- Physical Education (one additional course)



## Food Science and Nutrition

The mission of the food science and nutrition program is to provide educational opportunities for students interested in cultural diversity as it relates to nutrition, health, and well-being. The degree program has a strong foundation in the biological sciences. An associate's degree from FDLTCC will position a student to continue their education as a junior at the University of Minnesota for a food science and nutrition major.

### Associate of Science Degree

#### *Required Program Courses*

- \*ANSH 1001 Introduction to Anishinaabe Language
- BIOL 1101 General Biology I
- BIOL 2010 Microbiology
- BIOL 2020 Human Anatomy and Physiology I
- BIOL 2021 Human Anatomy and Physiology II
- CHEM 1010 General Chemistry I
- CHEM 1011 General Chemistry II
- HLTH 2010 Fundamentals of Nutrition
- HLTH 2015 Food: Safety, Risks, and Technology

#### *General Education Requirements*

- AMIN 1050 Anishinaabeg of Lake Superior
- \*ANSH 1002 Anishinaabe Language II
- BIOL 1060 Environmental Science
- ECON 2010 Principles of Economics:  
Microeconomics
- ENGL 1001 College Writing I:  
Composition and Research
- ENGL 1020 College Writing IIB: Writing for Work
- MATH 1010 College Algebra
- Physical Education (one course)

\*Students may take SPAN 1001/1002 in place of ANSH 1001/1002.

To complete an Associate of Arts degree in addition to the Associate of Science degree outlined above, the student must complete a course from each of the following goal areas:

- Communication (Group C)
- History and the Social and Behavioral Science (Group 1)
- Humanities and Fine Arts (two courses)
- Global Perspective
- Physical Education (one additional course)



## History

A major in history provides a broad base for a number of disciplines. History majors can be found in government administration, journalism, stock brokerages, administration and management in private industry, politics, advertising, social work, publishing, education, retailing, and library and archival work. It is also one of the most popular majors for pre-law students. The multi-cultural environment at FDLTCC provides the student with a unique opportunity to understand and recognize cultural diversity.

Course requirements may vary depending on the specific concentration and the four-year transfer school you select. It is important that you consult with the counselor or transfer specialist at FDLTCC and at the transfer institution that you are interested in attending.

To receive the Associate of Arts degree with a concentration in History, students should complete the Minnesota Transfer Curriculum (minimum of 40 credits), two courses of Physical Education, and a minimum of 18 elective credits.

### *Recommended Courses:*

- HIST 1010 Western Civilization I
- HIST 1011 Western Civilization II
- HIST 1030 History of the United States I
- HIST 1031 History of the United States II
- HIST 1050 American Indian History I
- HIST 1051 American Indian History II



## Human Services

FDLTCC offers an Associate of Applied Science degree in Human Services (students may also choose to complete an Associate of Arts degree). Students interested in pursuing a degree in Human Services, Social Work, or Chemical Dependency should refer to the Human Services degree program requirements in the Occupational Program listings in this section of the catalog.



The Human Services program is designed for students interested in the helping professions. Graduates will have acquired an understanding of the concepts, principles, skills, methods, and techniques of human services for entry into positions in social welfare agencies, hospitals, nursing homes, schools, rehabilitation programs, public service-related business, industry and community agencies, as well as state and county agencies. FDLTCC's unique multi-cultural climate provides students with the opportunity to recognize and understand cultural diversity. For transfer into a specific four-year degree program, check with the program coordinator regarding requirements.

Course requirements may vary depending on the specific concentration and the four-year transfer school you select. It is important that you consult with the counselor or transfer specialist at FDLTCC and at the transfer institution that you are interested in attending.

## Law Enforcement

FDLTCC offers programs leading to an Associate of Science degree in Law Enforcement, and a Law Enforcement Skills Certificate. New college students who are interested in the Law Enforcement Program at FDLTCC should first take the Academic Skills Assessment Program and then schedule an appointment with the Coordinator of the Law Enforcement Program to review eligibility for licensure in Minnesota as a Peace Officer.

Transfer students (with or without a previous degree) need to schedule an appointment with the Coordinator of the Law Enforcement Program to review eligibility for licensure in Minnesota as a Peace Officer, and determine what classes would be required before they would be eligible to enroll in the skills portion of the Professional Peace Officer Education Program (PPOE).

To continue in the Law Enforcement Program at FDLTCC a student should maintain a GPA of at least 2.0 in all program courses.

### Associate of Science Degree

#### *Required Program Courses*

HLTH 1050 Emergency Response/First Responder  
 LAWE 1001 Introduction to Criminal Justice  
 LAWE 1010 Crime and Delinquency  
 LAWE 1020 Criminal Investigation  
 LAWE 2010 Criminal Procedure and Evidence  
 LAWE 2020 Minnesota Statutes and Traffic Law  
 LAWE 2030 Critical Issues and  
 Community Relations

#### *General Education Requirements*

AMIN 1050 Anishinaabeg of Lake Superior  
 ENGL 1001 College Writing I:  
 Composition and Research  
 ENGL 1020 College Writing IIB: Writing for Work  
 MATH 1030 Introduction to Statistics  
 (recommended)  
 POLS 1020 State and Local Government  
 PSYC 2001 General Psychology  
 SOC 1001 Introduction to Sociology  
 SOC 2010 Social Problems  
 SPCH 1020 Interpersonal Communication  
 Physical Education (one course,  
 LAWE 2050 Use of Force I recommended)  
 Natural Sciences (one course)  
 Humanities (one course)

#### *Optional Electives*

LAWE 1005 Careers in Criminal Justice  
 CSCI 1064 Introduction to Computer Forensics

To earn an Associate of Arts degree in addition to the Associate of Science degree outlined above, the student

must complete a course from the following goal areas:

Natural Science (one course must have a lab component)  
 Humanities (from a discipline other than the one used for the Associate of Science degree)  
 Global Perspective



### Law Enforcement Skills Program

FDLTCC offers a comprehensive skills training program. For students pursuing a career in law enforcement, the following requirements must also be met. The skills program component is conducted during summer session, and students enroll in the skills program after completing all academic coursework.

LAWE 2050 Use of Force I: Basic Defensive Tactics  
 LAWE 2051 Use of Force II: Firearms  
 LAWE 2052 Leadership, Ethics, and  
 Diversity in Law Enforcement  
 LAWE 2053 Practical Aspects of  
 Criminal Investigations  
 LAWE 2054 Patrol Procedures



## Liberal Arts

The Liberal Arts curriculum provides an excellent background in general education and will transfer to a wide variety of four-year college and university programs. Students are encouraged to become familiar with the requirements of the Liberal Arts college to which they plan to transfer. FDLTCC offers a wealth of courses in most of the traditional disciplines that are included in the Liberal Arts. The multi-cultural environment at FDLTCC also provides the student with the opportunity to understand and recognize cultural diversity. Most Liberal Arts colleges have a foreign language requirement.



To receive the Associate of Arts Degree with a concentration in Liberal Arts, students must complete the Minnesota Transfer Curriculum (minimum 40 credits), including AMIN 1050 Anishinaabeg of Lake Superior, two courses of Physical Education, and a minimum of 18 elective credits.

## Mathematics

Students planning a career in Mathematics have a variety of options. They can choose to become teachers, attend graduate school, go into business, or plan a career in applied mathematics. The complete mathematician will also need to be computer literate.

Course requirements may vary depending on the specific concentration and the four-year transfer school you select. It is important that you consult with the counselor or transfer specialist at FDLTCC and at the transfer institution you are interested in attending.



## Music

Students pursuing a degree in music should participate in college music organizations and take private instruction in voice or with their major instrument. Students studying music will enrich their lives and their community whether they pursue music as a profession or as an avocation. Students planning to major or minor in music should consult the music department, counselor or transfer specialist at FDLTCC as well as the transfer institution the student is interested in attending.

## Nursing

Students interested in a career in the field of nursing have several options. FDLTCC offers the short-term Registered Nursing Assistant/Home Health Aid certificate program, a Registered Nursing transfer program in partnership with the College of St. Scholastica, and a two-year Registered Nursing program in partnership with Lake Superior College.

### Registered Nursing Assistant/ Home Health Aid

Students interested in the short-term, five-credit program should refer to the certificate program listings in this section of the catalog. This program prepares students for entry-level positions in nursing.

### Registered Nursing Transfer Program

FDLTCC and the College of St. Scholastica have established an articulation agreement for the purpose of facilitating credit transfer and providing a smooth transition from one related degree program to another. The end goal for students in the Registered Nursing Transfer program is a bachelors degree in Nursing from the College of St. Scholastica.

Current students and graduates who have earned degrees, certificates, or diplomas from FDLTCC shall be eligible for credit evaluation under the terms of this agreement. Program-specific requirements and/or required courses are listed below. Transfer students will be held to the same standards and criteria for admission to a major degree sequence as are College of St. Scholastica students.

#### *Required Courses at FDLTCC*

- AMIN 1050 Anishinaabeg of Lake Superior
- BIOL 1101 General Biology I
- BIOL 2010 Microbiology
- BIOL 2020 Anatomy/Physiology I
- BIOL 2021 Anatomy/Physiology II
- CHEM 1001 Aspects of Inorganic Chemistry
- CHEM 1002 Organic Chemistry
- HLTH 2010 Fundamentals of Nutrition
- HSER 1010 Introduction to Counseling Theories and Techniques
- PSYC 2010 Developmental Psychology
- SOC 1001 Introduction to Sociology



Additional courses to complete an Associate of Arts degree:

- ENGL 1001 College Writing I:  
Composition and Research
- ENGL 1030 College Writing II C: Creative Writing
- MATH 1030 Introduction to Statistics

OR

- MATH 1010 College Algebra
- PHIL 2010 Ethics
- SPCH 1010 Public Speaking

Courses from the following goal areas:

- History and the Social and Behavioral Science (Group 2)
- Humanities and Fine Arts (from a discipline other than Philosophy)
- Global Perspective
- Physical Education (two courses)

Nursing Articulation students who have an Associate of Arts degree and who have completed the Minnesota Transfer Curriculum are exempt from the CSS general education requirements except for an upper division intensive writing course that can be only completed at CSS.

Additional requirements to enter CSS Nursing Program:

- NSG 2210 Introduction to Professional Nursing
- CPR certified before junior year at CSS.
- Students must be currently registered as a Registered Nursing Assistant/Home Health Aid while attending the CSS Nursing Program.

#### ***Joint Admission Option***

Students may be admitted to both institutions simultaneously. With joint admissions, students receive a place in the College of St. Scholastica's Nursing Program (BA) upon transfer from FDLTCC's Registered Nursing Program if they meet the requirements listed below. Students may also concurrently enroll in courses at both institutions, and have access to a nursing advisor at the College of St. Scholastica.



**Nursing Major Admission Requirements at CSS:**

1. Junior standing. Have earned 64 semester credits and completed all Nursing prerequisites.
2. 3.0 overall GPA (on a 4.0 scale).
3. Minimum of "C" in all prerequisite courses
4. Current certification in CPR for adults, children and infants.
5. Completed health requirements, including a current physical examination, immunizations, tuberculosis screening and the Hepatitis B vaccine, Rubella Screening Titer, Varicella Zoster Titer, and any other required by clinical agencies.
6. Submission of an acceptable essay with application to the major.
7. Current certification as a Nurse Assistant (N.A.R.).
8. A clearance letter from the Minnesota Department of Human Services indicating the student is not disqualified to provide direct contact services. The Department of Nursing will assist the student in filing the appropriate form.

Note: Since the health care delivery system is changing rapidly, revisions may be necessary in course and admission requirements. The College of St. Scholastica Department of Nursing reserves the right to accommodate such change and students should refer to the department for the most current requirements.

**Registered Nursing****Partnership Program with Lake Superior College***Prerequisites*

Students must be currently listed on the Minnesota State Nursing Assistant Registry, and worked as an RNA for 200 hours.

CPR certification must be current.

Students must maintain a cumulative GPA of 2.8 or higher in all General Education classes and prerequisites. A minimum grade of "B" is needed in all Nursing classes. If a student falls below the 2.8 GPA or receives less than a "B" in any Nursing class they will be dropped from the program. All General Education Requirements must be completed at FDLTCC.

*Prerequisite Course Requirements (must be completed at FDLTCC)*

BIOL 1101 General Biology I

CHEM 1001 Organic Chemistry

OR

CHEM 1002 Inorganic Chemistry

PSYC 2001 General Psychology

MATH 0030 Beginning Algebra or equivalent

*If not on registry:*

HLTH 1001 Introduction to Nursing

HLTH 1002 Home Health Aid

*Required Program Courses*

BIOL 2020 Anatomy and Physiology I

BIOL 2021 Anatomy and Physiology II

NURS 1100 Foundations of Nursing

NURS 1105 Clinical Foundations

NURS 1110 Nursing Interventions

NURS 1120 Medication Administration I

NURS 1121 Medication Administration II

NURS 1130 Application of Nursing

NURS 1135 Clinical Application

NURS 1140 Family Nursing

NURS 1145 Family Nursing Clinical

NURS 1150 Psychosocial Nursing

NURS 1160 Ethics in Nursing

NURS 1175 Service Learning for Nursing

PSYC 2010 Developmental Psychology

(At this point a student may choose to exit the program and take LPN board exams. If space allows, current LPNs can enter the program to continue toward completing the second year of the Registered Nursing program. Entering LPNs are granted 15 nursing credits when they are accepted into the program. In addition, students who have completed BIOL 2020/2021, NURS 1100, 1105, 1110, 1120, 1121 and PSYC 2010 can exit the program and work as a Trained Medication Aid.)

Entering LPNs must complete the following courses before beginning the second-year courses.

BIOL 2020 Human Anatomy and Physiology I

BIOL 2021 Human Anatomy and Physiology II

MATH 0030 Higher Algebra (or equivalent)

NURS 2000 Nursing Role Transition

NURS 2050 Nursing Role Transition Practicum

PSYC 2010 Developmental Psychology

**Second Year**

AMIN Anishinaabeg of Lake Superior

BIOL 2010 Microbiology

BIOL 2015 Pathophysiology

ENGL 1001 College Writing I:

Composition and Research

NURS 2100 Health Assessment

NURS 2110 Integration of Nursing

NURS 2115 Clinical Integration

NURS 2120 Synthesis of Nursing

NURS 2125 Clinical Synthesis

Physical Education (one course)

General Education elective

## Political Science

Political science is the study of governments and governing procedures. The unique multi cultural environment of FDLTCC provides students with the opportunity to recognize and understand cultural diversity.

Course requirements for a major in Political Science may vary depending on the specific concentration and the four-year transfer school students select. It is important that students consult with a counselor or transfer specialist at FDLTCC and at the transfer institution they are interested in attending.

## Psychology

Studying psychology prepares students for paraprofessional work in a variety of business, government, and human service settings. Psychology is concerned with the behavior of organisms in terms of environment, genetic, physiological, and social factors. A broad-based education including courses in cultural diversity and American Indian Studies will greatly increase the student's awareness of these factors.

Course requirements may vary depending on the specific concentration and the four-year transfer school you select. It is important that you consult with the counselor or transfer specialist at FDLTCC and at the transfer institution you are interested in attending.

## Social Work

Social Workers are employed in such areas as mental health, medical social work, chemical dependency treatment programs, neighborhood centers, juvenile and adult corrections, mental retardation programs, domestic abuse and sexual assault programs, programs for older adults, county social service departments, community action and planning programs, and school social work. FDLTCC's multi-cultural environment provides students with a unique opportunity to understand and recognize cultural diversity, a requirement for effective social workers. Students who graduate from an accredited social work program are eligible to apply for Social Work licensure in Minnesota and other states.

Students interested in a career in Social Work should refer to the Human Services program requirements at FDLTCC.

Course requirements may vary depending on the specific concentration and four-year transfer school that you select. It is important that you consult with the counselor or transfer specialist at FDLTCC and at the transfer institution you are planning on attending.

## Sociology

A student choosing a degree in sociology usually focuses on general sociology, anthropology, criminology/criminal justice or social work. The goal of a general sociology degree is to provide students with a scientific understanding of human social behavior. This is accomplished by providing a strong foundation in the basic sub-areas of sociology: social organization, social psychology, social theory, and statistics and methodology. The multi-cultural environment of FDLTCC provides students with a unique opportunity to understand and recognize cultural and human diversity. Students who complete a bachelor's degree with a major in Sociology are usually eligible to take county, state, and federal social work examinations.

Course requirements may vary depending on the specific concentration and four-year transfer school selected. It is important that students consult with the counselor or transfer specialist at FDLTCC and at the transfer institution they are planning on attending.



## Speech Communication

Communication is the dynamic, creative process of conveying messages to others. Whether it be in a one-to-one encounter, an interpersonal exchange, a small group discussion or task, a public speech or presentation, or a mass medium that reaches a mass audience, human beings are continuously engaged in the art and skill of communication.

A major in Speech Communication provides students with a foundation for a wide variety of careers and opportunities. A four-year liberal arts degree may lead to careers in sales, human resources and personnel, public relations, diversity training, or organizational management. Students planning to attend law school often complete a major in Speech Communication. Education, health, counseling and social work professionals often complete a minor in speech education to enhance their major field of study.

Course requirements may vary depending on the specific concentration and the four-year transfer school you select. It is important that students consult with the counselor or transfer specialist at FDLTCC and at the transfer institution they are interested in attending.

## Career and Technical Education Programs

Career and technical education programs at FDLTCC provide training and education that can lead students directly into a position in their chosen career. These programs of study also provide a solid educational foundation for students seeking advanced training or a four-year degree. In addition to the programs listed below, please refer to the Law Enforcement and Nursing programs listed previously in this catalog.

### Computer Security

The Computer Security degree program prepares students to assess the security needs of computer and network systems, recommend safeguard solutions, and manage the implementation and maintenance of security devices, systems, and procedures. The degree program includes instruction in computer architecture, programming, and systems analysis. Other topics include telecommunications, cryptography, security system design, applicable law and regulations, risk assessment and policy analysis, contingency planning, user access issues, investigation techniques, and troubleshooting skills.

### Associate of Applied Science Degree Course Requirements

#### *Required Program Courses*

- BUS 1055 Business Communication
- CSCI 1070 Introduction to Computer Security
- CSCI 1072 E-Crime: Detection and Prosecution Issues
- CSCI 1078 Business Continuity Planning
- CSCI 2010 Introduction to Computer Science I
- CSCI 2011 Introduction to Computer Science II
- CSCI 2070 Advanced Computer Security
- CSCI 2072 Cybersleuthing
- CSCI 2076 Tools and Tactics of the Black Hat Hacker
- MATH 1030 Introduction to Statistics

#### *General Education Requirements*

- AMIN 1050 Anishinaabeg of Lake Superior
- ENGL 1001 College Writing I
- ENGL 1055 College Writing IIB: Writing for Work
- POLS 1020 State and Local Government
- SPCH 1020 Interpersonal Communication
- Natural Sciences (one course)
- Humanities and Fine Arts (two courses from different disciplines)

Electives (minimum of four additional credits)



### Associate of Arts Degree Option

To earn an Associate of Arts degree in addition to the Associate of Applied Science degree outlined above, students must complete a course from each of the following goal areas:

- Natural Sciences (from a discipline other than the one used for the Associate of Applied Science degree)
- History and the Social and Behavioral Science (from a group other than the one used for the Associate of Applied Science degree)
- Global Perspective
- People and the Environment
- Physical Education (two courses)

Students should use this program plan as a guide when selecting courses to complete a degree in a major. It is important that students consult with an advisor/counselor prior to registering for courses each semester.

## E-Crime

This program is geared toward those students who want to develop and implement enterprise-wide security measures, from policies and procedures to intrusion detection and incident response. This degree program and the related certificate programs will provide law enforcement or criminal justice students with computer crime investigation skills.

### Associate of Applied Science Degree

#### *Required Program Courses*

- BUS 1055 Business Communication
- CSCI 1001 Computer Literacy
- CSCI 1070 Introduction to Computer Security
- CSCI/LAW 1072 E-Crime: Detection and Prosecution Issues
- CSCI 1074 Introduction to Computer Forensics
- CSCI 1076 Identity Theft
- CSCI 2072 Cybersleuthing
- CSCI 2074 Computer Crime Scene Investigation
- CSCI 2076 Tools and Tactics of the Black Hat Hacker
- LAW 1020 Criminal Investigation

#### *General Education Requirements*

- AMIN 1050 Anishinaabeg of Lake Superior
- ENGL 1001 College Writing I
- ENGL 1020 College Writing IIB: Writing for Work
- MATH 1030 Introduction to Statistics
- SPCH 1020 Interpersonal Communication
- Natural Sciences (one four-credit course)
- History and the Social and Behavioral Science (one course)
- Humanities and Fine Arts (one course)
- Electives (minimum of four additional credits)

To earn an Associate of Arts degree in addition to the Associate of Applied Science degree outlined above, the student must complete a course from each of the following goal areas:

- Natural Sciences (from a discipline other than the one used for the Associate of Applied Science degree)
- History and the Social and Behavioral Science (from a group other than the one used for the Associate of Applied Science degree)
- Humanities and Fine Arts (from a discipline other than the one used for the Associate of Applied Science degree)
- Global Perspective
- People and the Environment
- Physical Education (two courses)

Students should use this program plan as a guide when selecting courses to complete a degree in a major. It is important that students consult with an advisor/counselor prior to registering for courses each semester.

## Geographic Information Systems and Visualization

The Geographic Information Systems (GIS) and Visualization Associate of Applied Science degree program will provide specialized training in Geographic Information Systems in a highly technical environment with extensive use of computers. GIS is a computer-based data processing tool for gathering, storing, manipulating, analyzing, and displaying spatial data. The goal of the program is to prepare students for entry-level employment in the areas of GIS and visualization, as well as provide continuing education opportunities for persons interested in GIS. Interested students will also be able to transfer to a four-year institution with the GIS and visualization knowledge and skills learned at FDLTCC.

Students taking courses in the program will learn techniques such as computer programming and application, database management, data acquisition, GIS and GPS



technology, computerized mapping and cartography, visualization of spatial data, and GIS project management. Upon completion of the degree program, the student will be qualified for employment positions such as a GIS/GPS technician or cartographic technician.

### Associate of Applied Science Degree

#### *Required Program Courses*

- BUS 1001 Introduction to Business
- BUS 1035 Database and Data Spreadsheets
- CSCI 1020 Introduction to Programming
- GEOG 1050 Introduction to GIS
- GEOG 1052 Computer Cartography

GEOG 1054 Introduction to the  
Global Position System  
GEOG 1056 Data Acquisition in GIS  
GEOG 2050 Practical Applications in GIS  
GEOG 2052 Visualization in GIS

#### *General Education Requirements*

AMIN 1050 Anishinaabeg of Lake Superior  
BIOL 1060 Environmental Science  
ENGL 1001 College Writing I:  
Composition and Research  
ENGL 1020 College Writing IIB: Writing for Work  
GEOG 1010 Physical Geography  
GEOG 1020 Cultural Geography  
GEOG 1040 World Regional Geography  
GEOL 2010 Geomorphology  
MATH 1030 Introduction to Statistics  
PHIL 2010 Ethics  
PHYS 1030 Meteorology  
SPCH 1010 Public Speaking

To earn an Associate of Arts degree in addition to the Associate of Applied Science degree outlined above, the student must complete a course from each of the following goal areas:

History and the Social and  
Behavioral Science (Group 1)  
Humanities and the Fine Arts (from a discipline  
other than the one used for the Associate of  
Science degree)

## **Human Services**

A minimum of 60 semester credits is required for graduation.

## **Associate of Applied Science Degree**

### ***Generalist***

#### *Required Program Courses*

HLTH 1020 Drug Use and Abuse  
OR  
CDEP 2001 Introduction to  
Chemical Dependency and Addiction  
HSER 1001 Introduction to Human Services  
HSER 1010 The Helping Process  
HSER 2010 Counseling Skills  
HSER 2020 Family Dynamics  
HSER 2090/2095 Practicum  
PSYC 2020 Group Dynamics

#### *General Education Requirements*

AMIN 1050 Anishinaabeg of Lake Superior  
ENGL 1001 College Writing I:  
Composition and Research  
ENGL 1020 College Writing IIB: Writing for Work  
PSYC 2001 General Psychology  
Natural Sciences (one course)

OR

MATH 1030 Introduction to Statistics

#### *Select one course from the following:*

ANTH 1020 Cultural Anthropology  
ECON 2020 Principles of Economics:  
Macroeconomics  
PHIL 2010 Ethics  
POLS 1010 American Government  
POLS 1020 State and Local Government  
PSYC 2010 Developmental Psychology  
SOC 1001 Introduction to Sociology  
SOC 1020 Human Relations

## **Associate of Arts Degree**

To complete an Associate of Arts degree in addition to the Associate of Applied Science degree outlined above, students must complete courses in the following goal areas:

Humanities and Fine Arts (two courses)  
Global Perspective (one course)  
Ethic and Civic Responsibility (one course)  
Physical Education (two courses)  
Natural Sciences (one or two courses and  
MATH 1030, unless completed as part of  
Associate of Applied Science degree requirements)

## **Chemical Dependency Counselor Option**

To complete the Chemical Dependency Counselor option (Note: after July 1, 2008, a four-year degree is required to become a chemical dependency counselor), students are required to complete the following requirements:

Associate of Applied Science/  
Human Services Generalist degree,  
CDEP 2001 Introduction to Chemical Dependency  
& Addiction  
CDEP 2020 Chemical Dependency Counseling  
& Assessment

### American Indian Focus Option

To complete the American Indian Focus option, students are required to complete the following requirements:

- Associate of Applied Science/  
Human Services Generalist degree,
- AMIN 2030 Contemporary American Indian  
Concerns
- ANTH 1001 Introduction to American Indian  
Studies

### Youth and Family Option

To complete the Youth and Family option, students are required to complete the following requirements:

- Associate of Applied Science/Human Services  
Generalist degree,
- PSYC 2010 Developmental Psychology
- SOC 1050 The Family as a Social Institution



### Integrated Information Technology

The Integrated Information Technology degree program prepares students for a broad range of careers in the computer science field. Students learn and master a transferable set of information technology skills that can be applied in many work settings. The program focuses on creating skill sets to develop human talent for working together with others while using technical tools to solve specific problems.

Real world projects and business objectives require a diverse group of experts in different disciplines to interact and work together toward a common goal. The goals of the Integrated Information Technology program include building information technology skills to manipulate information, developing human talent to handle information, and developing a social skill set that allows people to make information relevant, understandable and accessible.

Program requirements incorporate course offerings that include core technology skills such as networking, data-

base management, programming, and Internet services. Courses also cover important social and workplace skills such as creativity, problem solving, critical thinking, oral and written communication, and understanding human behavior. The degree program integrates technology with social and workplace networks to produce a skill set that enables graduates to function effectively in team environments. The program is designed to provide students with a core skill set that can be applied across a broad spectrum of disciplines and allow students to enter careers that best suit their interests and needs.

#### *Required Program Courses*

- CSCI 1070 Introduction to Computer Security
- CSCI 1101 Introduction to Inter-networking
- CSCI 1110 Internet and Computer System Design
- CSCI 1115 Overview of Computational Methods
- CSCI 1105 Interactive Multimedia Design
- CSCI 1120 Information Technology  
Project Management
- CSCI 1125 Creativity in Information Technology
- CSCI 1190 Collaborative Research and Work
- CSCI 2010 Introduction to Computer Science I

#### *General Education Requirements*

- AMIN 1050 Anishinaabeg of Lake Superior
- BIOL 1060 Environmental Science
- ENGL1001 College Writing I:  
Composition and Research
- ENGL 1020 College Writing IIB: Writing for Work
- HIST 1010 History of Western Civilization I
- MATH 1010 College Algebra
- PHIL 1020 Critical Thinking
- PSYC 2001 General Psychology
- SOC 1020 Human Relations
- SPCH 1020 Interpersonal Communication
- Physical Education (one course)

To earn an Associate of Arts degree in addition to the Associate of Science degree outlined above, students must complete courses in the following goal areas:

- Humanities and Fine Arts (two courses from  
different disciplines; ART 1095 Digital  
Photography recommended)
- Natural Sciences (one course from a discipline other  
than the one used for the Associate of Science  
degree)
- Physical Education (one additional course)

Students should use this program plan as a guide when selecting courses to complete a degree in a major. It is important that students consult with an advisor/counselor prior to registering for courses each semester. Some alternate course selections are possible to meet general education requirements.

## Certificates

Certificates at FDLTCC provide training in specialized areas. Certificates are designed to be completed in a short period of time.

### Anishinaabe

This certificate is designed for all students interested in increasing their knowledge of the Anishinaabe people and culture.

- AMIN 1050 Anishinaabeg of Lake Superior
- AMIN 2001 Federal Laws and the American Indian
- ANSH 1001 Introduction to Anishinaabe Language
- ANTH 1001 Introduction to American Indian Studies

### Child Development

Each of the three, 17-credit certificates is designed to provide students with the training and skills necessary for providing child care, particularly for the ages defined in the certificate.

#### Infant and Toddler Child Development Certificate

- ECD 1001 An Overview of Child Development
- ECD 1010 Child Care Issues and Program Practice
- ECD 1020 Guidance Issues for Child Care Staff
- ECD 1040 Infant-Toddler Development and Learning Experiences
- ECD 2010 Brain Development and Early Childhood
- ECD 2060 Integrating Children with Special Needs

#### Preschool Child Development Certificate

- ECD 1001 An Overview of Child Development
- ECD 1010 Child Care Issues and Program Practice
- ECD 1020 Guidance Issues for Child Care Staff
- ECD 1030 Preschool Development and Learning Experiences
- ECD 2010 Brain Development and Early Childhood
- ECD 2060 Integrating Children with Special Needs

#### School Age Child Development Certificate

- ECD 1001 An Overview of Child Development
- ECD 1020 Guidance Issues for Child Care Staff
- ECD 1050 School Age Development and Learning Experiences
- ECD 2010 Brain Development and Early Childhood
- ECD 2040 Literature and Language Development
- ECD 2060 Integrating Children with Special Needs

## Business/Finance

There are two certificates of concentration available in the Business/Finance Program

### Finance

- MKTG 1020 Small Business Management
- BUS 1064 Customer Service
- BUS 2036 Introduction to Money and Banking
- BUS 2037 Topics in Tribal Finance
- BUS 2038 Financial Statement Analysis
- MKTG 1030 Salesmanship

### Small Business/Entrepreneurship

- BUS 1064 Customer Service
- BUS 1072 Topics in Successful Native American Entrepreneurship
- BUS 2020 Principles of Management
- BUS 2060 Introduction to Business Plan Development
- MKTG 1020 Small Business Management
- MKTG 1035 Sales Promotion & Advertising

## Computer Forensics

This certificate focuses on what law enforcement students need to know to extend their crime scene investigation skills from the physical world to the virtual world.

- CSCI 1072/LAWE 1072 E-Crime Detection and Prosecution Issues
- CSCI 1074 Introduction to Computer Forensics
- CSCI 1076 Identity Theft
- CSCI 2074 Computer Crime Scene Investigation
- CSCI 2076 Tools and Tactics of the Black Hat Hacker
- CSCI 2078 Advanced Computer Forensics

## Computer Security

This certificate focuses on organizational issues that face corporate security staff in the informational technology environment. Training is provided in identification of cyber crime issues, foundational learning in investigating these crimes, and practical application of security measures to reduce the risk of crime within an organization's enterprise network.

- CSCI 1070 Introduction to Computer Security
- CSCI 1072/LAWE 1072 E-Crime Detection and Prosecution Issues
- CSCI 1078 Business Continuity Planning
- CSCI 2070 Advanced Computer Security
- CSCI 2072 Cyber Sleuthing
- CSCI 2076 Tools and Tactics of the Black Hat Hacker

## Geographic Information Systems and Visualization

This certificate provides the student with specialized training in Geographic Information Systems (GIS) in a highly technical environment with extensive use of computers. Upon completion of this certificate the student may be qualified for employment as a GIS/GPS technician or a Cartographic technician.

- GEOG 1050 Introduction to GIS
- GEOG 1052 Computer Cartography
- GEOG 1054 Introduction to the  
Global Position System
- GEOG 1056 Data Acquisition in GIS
- GEOG 2050 Practical Applications in GIS
- GEOG 2052 Visualization in GIS

## Management Development

The Management Development Certificate is designed to develop the knowledge and skills needed by today's managers. The certificate is intended for people who hold management positions, and for people seeking new careers as supervisors, managers, or small business owners.

- BUS 2020 Principles of Management
- BUS 2030 Personnel Administration  
and Supervision
- CSCI 1001 Computer Literacy
- MKTG 1035 Sales Promotion and Advertising

## Paraprofessional Educator

The Paraprofessional Educator Certificate is designed for those employed as paraprofessionals (teaching assistants) in the school system. The certificate is designed to stand alone or serve as the core of an Associate of Arts degree.

- CSCI 1001 Computer Literacy
- ECD 1001 Overview of Child Development
- OR
- PSYC 2010 Developmental Psychology
- ECD 1020 Guidance Issues for Child Care Staff
- ECD 1080 Culturally Sensitive Caregiving
- OR
- SPCH 2010 Family Communication
- ECD 2010 Brain Development and Early Childhood
- ECD 2020 Professional Observation
- ECD 2040 Literature and Language Development
- ECD 2060 Integrating Children with Special Needs
- ENGL 1001 College Writing I:  
Composition and Research
- MATH 1050 Math for Elementary Teachers

## Registered Nursing Assistant/ Home Health Aid

*(with Cultural Diversity Component)*

This short-term sequence is designed to prepare students for employment as registered nursing assistants.

- HLTH 1001 Introduction to Nursing
- HLTH 1002 Home Health Aid
- ANTH 1005 Cultural Diversity Workshop

## Elementary Education Bachelors Degree Program

Fond du Lac Tribal and Community College received approval from the Minnesota Legislature and the Minnesota State Colleges and Universities Board of Trustees to offer a four-year bachelors degree program in Elementary Education. The program will be designed to train culturally sensitive teachers who are interested in working in reservation schools and public schools with a high population of American Indian students.

Complete program information was not available at the time this catalog was published. Lower division requirements for this program are listed in this catalog. Students interested in this degree program should contact the Elementary Education program staff to gather the most current information, course descriptions, and degree requirements.