



# 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.

The academic programs at Fond du Lac Tribal and Community College are built on a general education foundation, which includes four core competencies that cut across the college's curriculum: Problem solving, communication, culture, and information/technology literacy. Student learning in the core areas is assessed at the course, program, and institutional levels. In addition, the college and its academic programs assess student learning indirectly through profiles regarding retention, transfer, and completion; student engagement; workforce placement; and pass rates on state licensure exams. Students and other readers can learn more about Fond du Lac Tribal and Community College's academic accountability efforts by contacting any faculty, staff, or administrator at the college.

## 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
- Criminology/Criminal Justice
- Education
  - Early Childhood
  - Elementary
  - Secondary
- Electric Utility Technology
  - Relay Technician
- English
- Environmental Science
- Food Science and Nutrition Studies
- Geography
- Geospatial Technologies
- 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
- Electric Utility Technology
  - Relay Technician
- Fitness and Health
- Geospatial Technologies
- Human Services
  - American Indian Focus Option
  - Chemical Dependency Option
- Law Enforcement
- Nutrition Studies
- Nursing
  - Practical Nursing
  - Mobility 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
- Business
  - Business Management
  - Finance/Banking
  - Small Business Entrepreneurship
  - Exploring Entrepreneurial Opportunities
- Chemical Dependency Counselor
- Clean Energy Technology
- Child Development
  - Infant and Toddler
  - Preschool
  - School Age
- Geospatial Technologies
- Nursing Assistant and 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*

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



## Associate of Fine Arts

FDLTCC offers students the opportunity to complete an Associate of Fine Arts degree in Art. All students have the unique opportunity to familiarize themselves with American Indian Art. The majority of the Art classes are open to all students. Students wishing to complete the AFA degree will need to complete the courses listed below, however, it is recommended that students also check with their transfer institution to insure that the courses selected will match requirements for specific areas of concentration at that institution.

### A.F.A. degree

#### *Required Program Courses*

- ART 1010 Drawing
- ART 1020 Design
- ART 1080 Art History I
- ART 1081 Art History II
- ART 1097 Computer Graphics
- ART 2030 Portfolio Development

#### *Electives*

Select a minimum of 15 credits from the following courses:

- ART 1030 Painting
- ART 1040 Watercolors
- ART 1060 American Indian Art
- ART 1070 Introduction to Jewelry
- ART 1095 Digital Photography
- ART 1099 Special Topics
- ART 2010 Sculpture
- ART 2020 Ceramics

#### *General Education Requirements*

- AMIN 1050 Anishinaabeg of Lake Superior
- BIOL 1010 Aspects of Biology
- BIOL 1060 Environmental Science
- ENGL 1001 College Writing I: Composition and Research
- ENGL 1030 College Writing II: Introduction to Literature
- HIST 1010 History of Western Civilization I
- HIST 1011 History of Western Civilization II
- MATH 1025 Introduction to Contemporary Mathematics
- SPCH 1010 Public Speaking

## Biology

Biology is the scientific study of living systems. The discipline ranges from studying the structure of biomolecules to the interactions of species with their environment. The biology department at FDLTCC seeks to prepare graduates for the challenging work facing



today's biologist. The biology student will be prepared to transfer on for a biology major at a 4-year institution. Biology graduates have many opportunities for employment or further study within the fields of medicine, ecology, research biology, biotechnology, genetics, forestry, marine biology, pharmacy, and wildlife

biology among others. In addition to coursework, research experiences in biology and environmental science are available for students.

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.

#### *Required Program Courses*

- BIOL 1101 General Biology I
- BIOL 1102 General Biology II
- BIOL 2025 Cell Biology
- BIOL 2050 Principles of Ecology
- CHEM 1010 General Chemistry I
- CHEM 1011 General Chemistry II
- MATH 1010 College Algebra

#### *Biology Emphasis Electives*

- BIOL 2030 Botany
- BIOL 2031 Zoology
- MATH 1015 Trigonometry
- PHYS 1001 Introduction to Physics I
- PHYS 1002 Introduction to Physics II

#### *Other Electives*

- BIOL 1010 Aspects of Biology
- BIOL 1060 Environmental Science
- BIOL 2005 Fundamentals of Nutrition
- BIOL 2010 Microbiology
- BIOL 2020 Human Anatomy and Physiology I
- BIOL 2021 Human Anatomy and Physiology II
- BIOL 2040 Native Plant Identification
- BIOL 2060 Aquatic Biology

## 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

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)

One course from Group I (History and the Social and Behavioral Science)

## 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



## 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.

## 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. 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/advisor 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 Development

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 Development.

- BIOL 1060 Environmental Science
- MATH 1025 Introduction to Contemporary Mathematics
- BIOL 2005 Fundamentals of Nutrition
- SOC 1050 The Family as a Social Institution
- SPCH 2010 Family Communication

OR

- SPCH 1020 Interpersonal Communication

Remaining courses to meet Minnesota Transfer Curriculum should be selected in consultation with an advisor.

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

Fond du Lac Tribal and Community College and the University of Minnesota-Duluth 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 ECD Associate of Arts program is a B.A.Sc in Unified Early Childhood from UMD which leads to licensure birth-age 8 and early childhood special education in the state of Minnesota. 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 sequences as are UMD students.

## 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.

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
  - ART 1001 Introduction to Art
  - BIOL 1060 Environmental Science
  - ENGL 1001 College Writing I:  
Composition and Research
  - ENGL 1040 College Writing IIA:  
Introduction to Literature
  - GEOG 1040 World Regional Geography
  - MATH 1010 College Algebra
- OR
- MATH 1025 Introduction to Contemporary Mathematics
  - MATH 1050 Mathematics for Elementary Teachers
  - MUSC 1040 Fundamentals of Music Theory
  - PSYC 2001 General Psychology
  - SOC 1020 Human Relations
  - SPCH 1010 Public Speaking

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
- EUT 1010 Introduction to Alternative and Renewable Energy Systems
- EUT 1020 DC Circuits and Devices
- EUT 1021 AC Circuits and Devices
- 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 1001/1002 Introduction to Physics I and II
- 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
- GEOL 1001 Introductory Geology
- GEOG 1050 Introduction to Geographic Information Systems
- PHIL 2070 Environmental Ethics

### 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 2020 Principles of Economics: Macroeconomics
- 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)



## 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 Accuplacer 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 1025 Introduction to Contemporary  
 Mathematics

OR

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

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 Nursing Assistant/Home Health Aid Certificate program, a Practical Nursing Program, and a Mobility Nursing program.

### Practical Nursing

#### *Prerequisites*

Students must be currently listed on the Minnesota State Nursing Assistant Registry.

CPR certification must be current.

Students must maintain a cumulative GPA of 2.8 or higher in all prerequisites. A minimum grade of "C" is needed in all Nursing classes. If a student falls below the 2.8 GPA or receives less than a "C" in any Nursing class they will be dropped from the program.

#### *Prerequisite Course Requirements*

- BIOL 1005 Medical Terminology
- BIOL 1101 General Biology I
- BIOL 2020 Human Anatomy and Physiology I
- BIOL 2021 Human Anatomy and Physiology II
- CHEM 1001 Aspects of Inorganic Chemistry
- ENGL 1001 College Writing I: Composition and Research
- NURS 1025 Mathematics for Medication
- PSYC 2010 Developmental Psychology
- HLTH 1001 Introduction to Nursing
- HLTH 1002 Home Health Aid

#### *Required Program Courses*

- BIOL 2015 Pathophysiology
- NURS 1001 Foundations of Nursing
- NURS 1005 Clinical Foundations
- NURS 1010 Application of Nursing
- NURS 1015 Family Nursing
- NURS 1016 Family Nursing Clinical
- NURS 1020 Ethics in Nursing
- NURS 1030 Psychosocial Nursing
- NURS 1045 Nursing Interventions
- NURS 1050 Clinical Application
- NURS 1055 Service Learning for Nursing

At this point a student will take PN board exams.



### Mobility Nursing Program

Students must maintain a cumulative GPA of 2.8 or higher in all prerequisites. A minimum grade of “C” is needed in all Nursing classes. If a student falls below the 2.8 GPA or receives less than a “C” in any Nursing class they will be dropped from the program.

If space allows, current LPNs can enter the program to continue toward completing the Mobility Nursing program. Entering LPNs are granted 15 nursing credits when they are accepted into the program. Entering LPNs must complete the following courses before beginning the Mobility Program.

BIOL 1005 Medical Terminology  
 BIOL 2015 Pathophysiology  
 BIOL 2020 Human Anatomy and Physiology I  
 BIOL 2021 Human Anatomy and Physiology II  
 CHEM 1001 Aspects of Inorganic Chemistry  
 ENGL 1001 College Writing I:  
     Composition and Research  
 NURS 1025 Mathematics for Medication  
 NURS 2000 Nursing Role Transition  
 NURS 2050 Nursing Role Transition Practicum  
 PSYC 2010 Developmental Psychology

### Mobility Nursing Courses

AMIN 1050 Anishinaabeg of Lake Superior  
 BIOL 2010 Microbiology  
 NURS 2100 Health Assessment  
 NURS 2110 Integration of Nursing  
 NURS 2115 Clinical Integration  
 NURS 2120 Synthesis of Nursing  
 NURS 2125 Clinical Synthesis  
 PSYC 2030 Abnormal  
     Psychology  
 Physical Education (one course)  
 General Education elective

### Nursing Assistant/Home Health Aid

Students interested in the short-term, 4-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.

### 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)

## 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 may be employed in a variety of positions including the areas of mental health, medical social work, chemical dependency treatment programs, neighborhood centers, juvenile and adult corrections, domestic abuse and sexual assault programs, programs for older adults, county social service departments, community action and planning programs, and school social work. Fond du Lac Tribal and Community College's multi-cultural environment provides students with a unique opportunity to understand and recognize cultural diversity, a requirement for effective social workers.

The College of St. Scholastica Work Program is offered at the Fond du Lac Tribal and Community college campus in Cloquet, MN. Students may earn a four-year Bachelor of Arts degree in Social Work and be eligible for Minnesota State Social Work licensure.

Students accepted into this undergraduate program will be St. Scholastica students who enroll in upper-division courses taught by St. Scholastica faculty. Depending on the number of college transfer credits, students may complete the program on a full-time basis in three or four semesters. Student may enroll in either fall or spring semesters on a full- or part-time basis. Some courses are sequenced and require fall enrollment.

Priority will be given to students who have completed both an A.A. and A.A.S. degree in Human Services through FDLTCC. Interested students should talk to the Human Services department at FDLTCC or a counselor at St. Scholastica.

Course requirements for transferring into a social work program 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.



### Fitness and Health

The core courses required to complete the Fitness and Health degree program prepares students for degrees in many health care and fitness fields. The requirements provide a broad-based education and offer transfer flexibility in case a student opts to pursue a career in a related area of health care or sports and fitness.

The Fitness and Health degree program focuses on a well-rounded science core that includes Biology, Anatomy, Physiology, and Psychology courses. The two-year degree program also features health and fitness courses and prepares students to successfully transfer to a four-year degree program.

#### *Required Program Courses*

- BIOL 2021 Human Anatomy and Physiology II
- HLTH 1010 Personal, Tribal and Community Health
- HLTH 1050 First Responder
- HLTH 2010 Fundamentals of Nutrition
- PE 1040 Introduction to Conditioning
- PE 1041 Fitness for Endurance
- PE 1042 Weight Training
- PE 1047 Aerobics
- PE 2015 Fitness Instructor Techniques
- PSYC 2010 Developmental Psychology
- PSYC 2020 Group Dynamics
- SPCH 1030 Intercultural Communication

#### *General Education Requirements*

- AMIN 1050 Anishinaabeg of Lake Superior
- BIOL 1101 General Biology I
- BIOL 2020 Human Anatomy and Physiology I
- ENGL 1001 College Writing I
- ENGL 1020 College Writing IIB: Writing for Work
- MATH 1010 College Algebra
- PSYC 2001 General Psychology
- 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:

- Natural Sciences (one course from a discipline other than Biology)
- History and the Social and Behavioral Science (one course from Group 2)
- Humanities and Fine Arts (two courses from different disciplines)
- Global Perspective
- People and the Environment

### Geospatial Technologies

The Geospatial Technologies Associate of Applied Science degree program will provide specialized training in a variety of areas within geospatial technologies, including Geographic Information Systems (GIS), remote sensing, and Global Positioning Systems (GPS). GIS is a computer-based data processing tool for gathering, storing, manipulating, analyzing, and displaying spatial data. The program offers training in a highly technical environment with extensive use of computers. The goal of the program is to prepare students for entry-level employment in the area of GIS and geospatial technologies, as well as provide continuing education opportunities for persons interested in geospatial technologies. Interested students will also be able to transfer to four-year institutions with knowledge and skills learned in geospatial technologies at FDLTCC.

Students taking courses in the program will learn techniques such as data acquisition, database management, remote sensing image processing and analysis, computer programming and application, GIS and GPS technologies, computerized mapping and cartographic principles, visualization of spatial data, and GIS project management. Upon completion of the degree program, the student will be qualified for employment positions such as GIS technician or cartographic technician.

## Associate of Applied Science Degree

### Required Program Courses

BUS 1001 Introduction to Business  
 BUS 1035 Database and Data Spreadsheets  
 GEOG 1050 Introduction to GIS  
 GEOG 1052 Computer Cartography  
 GEOG 1054 Introduction to GPS  
 GEOG 1056 Data Acquisitions in GIS  
 GEOG 1058 Introduction to Remote Sensing  
 GEOG 2050 Practical Applications in GIS  
 GEOG 2052 Visualizations in GIS  
 MATH 1030 Introduction to Statistics

### AND select one of the following:

GEOG 2054 Programming in ArcGIS  
 CSCI 1020 Introduction to Programming  
 CSCI 1030 Fortran Programming

### General Education Requirements

AMIN 1050 Anishinaabeg of Lake Superior  
 ENGL 1001 College Writing I  
 ENGL 1020 College Writing II: Writing for Work  
 GEOG 1020 Cultural Geography  
 GEOG 1040 World Regional Geography  
 SPCH 1010 Public Speaking

OR

SPCH 1020 Interpersonal Communication

### Natural Sciences – select 14 credits from the Natural Sciences courses listed below

BIOL 1060 Environmental Science  
 GEOG 1010 Physical Geography  
 GEOG 2010 Disasters  
 GEOL 2010 Geomorphology  
 PHYS 1030 Meteorology

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

- Add 1 course from History/Social Behavioral Science (Group 1)
- Add 2 courses from Humanities and Fine Arts (from a discipline other than the one used for the Associate of Applied Science degree)
- Add 1 course from Physical Education

## Human Services

A minimum of 60 semester credits is required for graduation.

## Associate of Applied Science Degree Generalist

### Required Program Courses

PSYC 1030 Drug Use and Abuse

OR

CDEP 2001 Chemical Dependency Theories  
 HSER 1001 Introduction to Human Services  
 HSER 1010 The Helping Process  
 HSER 2010 Counseling Skills  
 HSER 2020 Family Dynamics  
 HSER 2095 Practicum

OR

CDEP 2050/2051 Practicums  
 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

### Recommended

CDEP 2020 Chemical Dependency Assessment  
 and Procedures  
 CDEP 2030 Co-occurring Disorders  
 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 and Addiction
- CDEP 2020 Chemical Dependency Counseling and Assessment
- CDEP 2030 Co-occurring Disorders

Completion of CDEP 2050 and CDEP 2051 Practicums are required for LADC licensure.

## 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



## 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

### Business

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

#### Business Management

- ACCT 2001 Financial Accounting I
- ACCT 2002 Financial Accounting II
- ACCT 2005 Managerial Accounting
- BUS 2037 Topics in Tribal Finance
- MKTG 1020 Small Business Management
- BUS 2090 Practicum

#### Finance/Banking

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

## Exploring Entrepreneurial Opportunities

Courses are targeted for those with little or no business background. Students learn skills to start a business, to be a better employee in a current position, and to prepare for advancement. These courses can be applied to FDLTCC's associate degree programs in Business.

- ACCT 2010 Computerized Accounting Applications
- BUS 1002 Introduction to Entrepreneurship
- BUS 1003 Opportunity Analysis
- BUS 1064 Customer Service
- BUS 2060 Introduction to Business Plan Development
- ECON 2020 Principles of Economics: Macroeconomics

## Chemical Dependency Counselor

The Chemical Dependency Counselor Certificate prepares students to meet the educational requirements for the Licensed Alcohol and Drug Counselor (LADC) application in Minnesota.

- CDEP 2001 Chemical Dependency Theories
- CDEP 2020 Chemical Dependency Assessment and Procedures
- CDEP 2030 Co-Occurring Disorders
- HLTH 1020 Drug Use and Abuse
- HSER 1010 The Helping Process
- PSYC 2020 Group Dynamics



## Child Development

Each of the three, 18-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

### Clean Energy Technology Certificate

- EUT 1010 Introduction to Alternative and Renewable Energy Systems
- EUT 1020 DC Circuits and Devices
- EUT 1021 AC Circuits and Devices
- EUT 1035 Photovoltaic Energy
- EUT 1045 Wind Energy
- EUT 1055 Home Energy Systems and Auditing
- GEOG 1050 Introduction to Geographic Information Systems

## Geospatial Technologies

This certificate provides the student with specialized training in geospatial technologies, including Geographic Information Systems (GIS), remote sensing, and Global Positioning Systems (GPS). Students are trained in a highly technical environment with extensive use of computers. Upon completion of this certificate, students will possess the skills and knowledge to accompany other training or degrees, especially in areas such as environmental science, geology, law enforcement, and biology. Students may also qualify for employment as a GIS technician or cartographic technician.

- GEOG 1050 Introduction to GIS
- GEOG 1052 Computer Cartography
- GEOG 1054 Introduction to GPS
- GEOG 1058 Introduction to Remote Sensing
- GEOG 2050 Practical Applications in GIS
- GEOG 2052 Visualizations in GIS

## 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 1025 Introduction to Contemporary  
Mathematics

## Registered Nursing Assistant/ Home Health Aid

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

