Central Lakes College, Brainerd Campus 2022-2023
Computer Information Technology, A.A.S.
Associate of Applied Science Degree (A103)

Technical Requirements 45
MN Transfer Curriculum 15
Total Credits....................................60

Program Description

The CLC Information Technology A.A.S. Degree is designed to train students with skills and character needed to be a successful IT professional in today's job market. The program includes a variety of IT concepts and methods used today in emerging technologies. With mobile devices, desktops, servers, and computer applications, students will learn the skills needed to be successful in troubleshooting, repair, and instruction of IT systems and applications in a professional business environment. The curriculum is designed to engage student learning as well as build character and confidence with team building, communication skills, and training in end-user support and customer service. CLC computer technology instructors are industry-certified professionals with years of experience in the classroom and industry.

Program Outcomes

By completing this program, students will achieve the following learning outcomes:
- Demonstrate knowledge of computer hardware capabilities, functions, assembly, and repair;
- Operating system installation, configuration, and administration;
- Comprehensive knowledge and use of Office 365 applications, including Word, Excel, PowerPoint, Access, and Outlook;
- Effective skills in end-user training in relation to Office 365 applications;
- Foundational concepts of networking and security standards;
- A thorough understanding of emerging technology, hardware, concepts, and methodology;
- Locate, evaluate, and properly utilize the tools and resources appropriate to a computer technology professional;
- Apply appropriate security standards to identify, evaluate, and mitigate risk; and
- Communicate effectively with technical and non-technical audiences.

Program Course Requirements

Required Technical Courses (45 credits)

COMP 1125	A+	5 cr
COMP 1126*	Network+	4 cr
COMP 1127*	Security+	4 cr
COMP 1128	IT Documentation and Support	3 cr
COMP 1129*	IT Careers	2 cr
COMP 1131	Microsoft Word Comprehensive	4 cr
COMP 1132	Microsoft Access Comprehensive	4 cr
COMP 1133	Microsoft PowerPoint Comprehensive	3 cr
COMP 1134	Microsoft Outlook Comprehensive	2 cr
COMP 1135	Microsoft Excel Comprehensive	4 cr
COMP 2167*	Cloud Fundamentals	3 cr
COMP 2168*	Cloud Technologies and Applications	4 cr
COMP 2169*	CIT Capstone	3 cr

An A.A.S. degree requires a minimum of 15 credits selected from at least three of the ten goal areas of the Minnesota Transfer Curriculum (MnTC). Students must include the following courses:

ENGL 1422	Practical Writing (Goals 1,2)	3 cr
PHIL 1460	Logic (Goals 2,4)	3 cr
Additional Minnesota Transfer Curriculum		9 cr

GRADUATION REQUIREMENT - 60 CREDITS
Denotes Prerequisites

Course Prerequisites

Some courses may require appropriate test scores or completion of basic math, basic English and/or reading courses with a "C" or better. CLC utilizes a multiple measure approach for placement which may include high school MCA, SAT, ACT scores in addition to high school GPAs. For insurance purposes, internships may require that students be 18 years old.

Semester Course Requirements

Semester One (14 credits)

COMP 1125	A+	5 cr
COMP 1128	IT Documentation and Support	3 cr
COMP 1133	Microsoft PowerPoint Comprehensive	3 cr
PHIL 1460	Logic (Goals 2,4)	3 cr

Semester Two (16 credits)

COMP 1126*	Network+	4 cr
COMP 1127*	Security+	4 cr
COMP 1129*	IT Careers	2 cr
ENGL 1422	Practical Writing (Goals 1,2)	3 cr
Minnesota Transfer Curriculum		3 cr

Semester Three (14 credits)

COMP 1131	Microsoft Word Comprehensive	4 cr
COMP 1135	Microsoft Excel Comprehensive	4 cr
COMP 2167*	Cloud Fundamentals	3 cr
Minnesota Transfer Curriculum		3 cr

Semester Four (16 credits)

COMP 1132	Microsoft Access Comprehensive	4 cr
COMP 1134	Microsoft Outlook Comprehensive	2 cr
COMP 2168*	Cloud Technologies and Applications	4 cr
COMP 2169*	CIT Capstone	3 cr
Minnesota Transfer Curriculum		3 cr

Certification

This program will prepare students for the following certifications from CompTIA: A+, Network+, Security+, Cloud+, and Microsoft Office Specialist (MOS). Students are encouraged to pursue certifications however they are not required for program completion and require additional costs per exam. Certification educational discounts are available to CLC Students through CompTIA and Microsoft.

Career Opportunities

IT professionals work together to improve existing computer systems and support end-user technologies increase productivity in any business environment. They lead the way through the planning and development of new systems using knowledge of hardware, software, and best application practices. IT professionals are not "one size fits all," especially when it comes to business. Different companies have different needs. IT professionals use skills from multiple areas to plan, configure, repair, or troubleshoot endpoint operating systems, application suites, and cloud-based applications. They may work towards higher-level positions within organizations and carry out the day-to-day troubleshooting, upgrading, and repair of various endpoints.

Graduation Requirements

In addition to the program requirements, students must meet the following conditions in order to graduate:

1. College Cumulative GPA Requirement: cumulative grade point average (GPA) of credits attempted and completed at CLC must be at least 2.0;
2. College Technical Core GPA Requirement: cumulative GPA of credits attempted and completed towards the technical core of the diploma or degree must be at least 2.0;
3. Residency Requirement: students must complete 25% of their credits at Central Lakes College.

Revised 4/28/2022