



## INFORMATION TECHNOLOGY

### Microsoft Networking Technology

The University of Northwestern Ohio is a Microsoft IT Academy and this curriculum was developed as a study of several Microsoft Windows 2003 products as they apply to a networking professional. It explores and applies these products in order to prepare the students for the Microsoft Certified Systems Administrator (MCSA) and Microsoft Certified Systems Engineer (MCSE) exams in pursuit of these Microsoft certifications. A hands-on approach will be used to reinforce the concepts discussed in this curriculum. The sequence of courses starts in the fall quarter only. The student is required to successfully complete the coursework in order to receive the degree. MCSA and MCSE testing and certifications are completely up to the individual student. The University is an Authorized Pearson VUE Testing Center. Students enrolled in this program are able to complete certification exams on campus for a reduced fee. Receipt of the University degree is separate and apart from the actual MCSA and MCSE certifications.

#### MISSION STATEMENT:

The Information Technology Department delivers to the students an educational experience that leads to life-long learning skills through field-experienced professionals using contemporary technology.

#### Curriculum:

**108 Credit Hours**

**Length: 6 Quarters**

#### Technical & Basic Requirements:

**72 Credit Hours**

AC111 Accounting I/4  
BU115 Contract Law/5  
IT110 Modern Computing Concepts/3  
IT184 Ethics in Information Technology/4  
MA121 Principles of Management/5  
MA235 Electronic Commerce/4  
MH169 Business Math/5  
MH205 College Algebra/5  
MN270 Administering a Client Operating System<sup>^</sup>/3  
MN290 Administering a Server Environment<sup>^</sup>/4  
MN291 Maintaining a Network Infrastructure<sup>^</sup>/4  
MN293 Planning a Network Infrastructure<sup>^</sup>/4  
MN294 Configuring and Maintaining a Directory Service<sup>^</sup>/3  
MN297 Designing a Network Directory Service Architecture<sup>^</sup>/3  
MN298 Designing Network Security<sup>^</sup>/4  
MN299 Developing Security in a Network Architecture<sup>^</sup>/4  
MT210 Public Relations/3  
NS183 Network Security Fundamentals<sup>^</sup>/5

<sup>^</sup> Preparation for test to gain credit towards Microsoft Certified System Administrator (MCSA) and/or Engineer (MCSE) certification.

**General Education Requirements:  
27 Credit Hours**

CO179 Introduction to Human Communication/3  
EC215 Macroeconomics/3  
EN180 Composition I/5  
EN200 Advanced Composition/5  
PS274 The American Political Scene/3  
PY177 Introduction to Psychology/3  
SO220 Cultural Diversity in the United States/3  
UN070 Success Strategies/1  
UN292 Portfolio Capstone/1

**General Education Electives:  
3 Credit Hours**

Choose courses not required for the program from Art, Communication, English, History, Philosophy, Popular Culture, Psychology, Religion, Science, Sociology, Spanish, University Survey, or Women's Studies.

**Specialized Electives:  
6 Credit Hours**

Specialized electives may be any courses not required in the major