

# ASSOCIATE OF APPLIED BUSINESS DEGREE

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## INFORMATION TECHNOLOGY

### System Administration

The explosion of computer use has created a high demand for trained specialists who have the education to administer, maintain, and support computer systems and networks. The University of Northwestern Ohio is a VMware IT Academy. The System Administration curriculum was developed as a study of several Microsoft® Windows and VMware® products as they apply to an IT Professional. A hands-on approach will be used to reinforce the concepts discussed in this curriculum. The sequence of the courses starts in the fall quarter only and cannot be taken in the Virtual College. The student is required to successfully complete the coursework in order to receive the degree. Following the completion of coursework, students may choose to sit for additional certification exams. Receipt of the University degree is separate and apart from the actual Microsoft Certified Systems Administrator (MCSA), Microsoft Certified Systems Engineer (MCSE), and Microsoft Certified IT Professional (MCITP) certifications in addition to others.

#### MISSION STATEMENT:

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

#### 108 Credit Hours

##### Technical & Basic Requirements:

###### 73 Credit Hours

BU109 Customer Service/3  
BU120 Introduction to Business/3  
DP117 Database Applications/3  
EC190 Survey of Economics/3  
IT109 Welcome to Web 2.0 & New Media/2  
IT113 Introduction to Computer Programming/3  
IT130 Management of Information Security/3  
IT150 Administering a Client Operating System/5  
IT170 Ethics in Information Technology/3  
IT183 Network Fundamentals/5  
IT225 Virtual Environments/5  
SA110 Operating System Fundamentals<sup>^</sup>/5  
SA115 Database Design & Development/3  
SA130 Administering a Server Environment I<sup>^</sup>/5  
SA220 Administering a Server Environment II<sup>^</sup>/5  
SA230 Server Utilities<sup>^</sup>/5  
SA240 Advanced Server<sup>^</sup>/3  
SA245 Emerging Trends in Computing/3  
SA250 Implementing Network Security/3  
SA292 System Administration Capstone/3

##### General Education Requirements:

###### 32 Credit Hours

CO179 Introduction to Human Communication/3  
EN180 Composition I/5  
EN200 Composition II/5  
MH190 Algebra/5  
PY177 Introduction to Psychology/3  
OR  
SO186 Sociology/3  
SC200 Principles of Ecology/3  
UN110 First-Year Experience/2  
UN220 Introduction to Diversity Issues/3  
Any 100- or 200-level AR, EN, HI, RE, or SP course/3

##### General Education Electives:

###### 3 Credit Hours

Choose 100- or 200-level courses from the general education subject categories, which may include Art (AR), English (EN), History (HI), Math (MH), Political Science (PS), Psychology (PY), Religion (RE), Sociology (SO), Spanish (SP), or University Survey (UN).

Note: Elective courses can apply to only one degree level. The same course cannot be re-used to satisfy the elective requirements at the Associate's Degree level and again at the Bachelor's Degree level.

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