

Program Overview – Help Desk Technician

MCC's Help Desk Technician prepares students for entry-level positions in computer support. Students will learn about operating systems, networking, hardware as well as have elective options in business and light programming. This curriculum provides a well-rounded background for computer support personnel – skills that today's employers are looking for in computer support people:

- A logical thought process
- Attention to detail
- The ability to communicate using non-computer terms

- The ability to work in small groups
- The ability to meet deadlines and work under pressure
- Good communication skills, dependability, reliability, and the willingness to work as part of a team

For more information, visit: www.mchenry.edu/helpdesktech

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Help Desk Technician

| Curriculum: OCC 120 | Credit Hours | | |
|--|--------------|--|---|
| General Education Core | | | |
| Communications 2 courses | 6 | (3) ENG 105 Technical Communications (3) ENG 151 Composition I | (3) ENG 152 Composition II (3) SPE 151 Intro to Speech |
| Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts and 1 course from Social & Behavioral Sciences | 6 | Humanities & Fine Arts <i>Select 1 course from the following prefixes or course numbers:</i> ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI | Humanities & Fine Arts cont'd. (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE Social & Behavioral Sciences <i>Select 1 course from the following prefixes or course numbers:</i> ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC |
| Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, or Technology | 3 | Mathematics MAT (100 level or above) Physical or Life Sciences <i>Select from the following prefixes or course numbers:</i> BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment | Physical or Life Sciences cont'd. GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY Technology (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals |
| Business Core | 9 | (3) BUS 150 Intro to Business (3) BUS 155 Business Communication (3) MGT 150 Principles of Management | |

| | | | |
|-----------------------------|----|--|--|
| Program Core | 24 | (3) CDM 110 Computer Literacy for Windows (3) CDM 120 Computer Ethics (3) NET 110 Network+ Certification Prep (3) NET 125 A+ Certification Prep | (3) NET 145 Linux+ Certification Prep (3) NET 151 Windows Client I (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals |
| Electives | 12 | Select from the following prefixes BUS, CDM, DBM, DGM, MGT, NET, and PRG | |
| Total Degree Credits | 60 | | |

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC

- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

For more information, contact the department chair: (815) 455-8732.

Program Overview – Network Security

The Network Security Program will prepare students in the areas of IT networking and security. Students will develop a comprehensive understanding of networking protocols and security concepts. Students will also develop key skills in multiple areas of networking: service setup and maintenance; workstations; protocols; hardware; ethics; and security.

This program will prepare students for entry-level positions in the computer networking security field. This program will prepare individuals to become Network Administrators, Network Support Specialists, Security Specialists, Penetration Testers or Security Analysts.

One unique aspect of this program is that it incorporates preparatory work for professional certification tests. These professional certifications are from Cisco, Comp TIA, and Microsoft.

The program emphasizes additional skills that today's employer is seeking: people with good communication skills, dependability, reliability and the willingness to work as part of a team.

For more information, visit: www.mchenry.edu/networksecurity

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Network Security

| | | | |
|------------------------------------|---------------------|---|---|
| Curriculum: OCC 1282 | Credit Hours | | |
| General Education Core | | | |
| Communications 2 courses | 6 | (3) ENG 105 Technical Communications (3) ENG 151 Composition I | (3) ENG 152 Composition II (3) SPE 151 Intro to Speech |

| | | | |
|--|----|--|---|
| <p>Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts and 1 course from Social & Behavioral Sciences</p> | 6 | <p>Humanities & Fine Arts <i>Select 1 course from the following prefixes or course numbers:</i> ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI</p> | <p>Humanities & Fine Arts cont'd. (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE</p> <p>Social & Behavioral Sciences <i>Select 1 course from the following prefixes or course numbers:</i> ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC</p> |
| <p>Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, or Technology</p> | 3 | <p>Mathematics MAT (100 level or above)</p> <p>Physical or Life Sciences <i>Select from the following prefixes or course numbers:</i> BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment</p> | <p>Physical or Life Sciences cont'd. GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY</p> <p>Technology (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals</p> |
| <p>Program Core</p> | 45 | <p>(3) CDM 120 Computer Ethics (3) NET 110 Network+ Certification Prep (3) NET 125 A+ Certification Prep (3) NET 145 Linux+ Certification Prep (3) NET 151 Windows Client I (3) NET 152 Windows Server I (3) NET 170 Cisco Certification Prep I</p> | <p>(3) NET 171 Cisco Certification Prep II (3) NET 172 Cisco Certification Prep III (3) NET 173 Cisco Certification Prep IV (3) NET 183 Security+ Certification Prep (3) NET 185 Ethical Hacking (3) NET 251 Windows Server II (3) NET 252 Windows Server III</p> |
| <p>Total Degree Credits</p> | 60 | | |

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application

- Completion of end-of-program assessment as directed by this department

For more information, contact the department chair: (815) 455-8732.

Requirements for the Cyber Security Certificate

| Curriculum: OCC 1284 | Credit Hours | | |
|----------------------------------|--------------|--|---|
| Program Core | 21 | (3) CDM 110 Computer Literacy for Windows (3) CDM 120 Computer Ethics (3) NET 110 Network+ Certification Prep (2) NET 140 Linux Operating Systems | (2) NET 150 Windows Operating Systems (2) NET 180 Computer Security Awareness (3) NET 183 Security+ Certification Prep (3) NET 185 Ethical Hacking |
| Total Certificate Credits | 21 | | |

For more information, visit: www.mchenry.edu/cybersecurity

Requirements for the Geek Technology Certificate

| Curriculum: OCC 1285 | Credit Hours | | |
|----------------------------------|--------------|---|---|
| Program Core | 22 | (3) CDM 110 Computer Literacy for Windows (3) NET 110 Network+ Certification Prep (2) NET 120 Computer Hardware Basics (3) NET 125 A+ Certification Prep | (2) NET 150 Windows Operating Systems (3) NET 151 Windows Client I (3) SPE 155 Interpersonal Communications (3) WEB 105 Web Fundamentals |
| Total Certificate Credits | 22 | | |

For more information, visit: www.mchenry.edu/geektech

Requirements for the Help Desk Certificate

| Curriculum: OCC 123 | Credit Hours | | |
|-------------------------------------|--------------|---|---|
| Program Core | 21 | (2) NET 180 Computer Security Awareness (3) CDM 110 Computer Literacy for Windows (3) NET 110 Network+ Certification Prep (2) NET 120 Computer Hardware Basics | (3) NET 125 A+ Certification Prep (2) NET 150 Windows Operating Systems (3) SPE 155 Interpersonal Communication (3) WEB 105 Web Fundamentals |
| Program Electives 4 credit hours | 8-9 | (1) CDM 250 Internship in CDM (1-4) CDM 290 Topics in CDM (3) NET 151 Windows Client I | (3) NET 152 Windows Server I (2) NET 180 Computer Security Awareness (3) PRG 105 Programming Logic |
| Total Certificate Credits | 29-30 | | |

For more information, visit: www.mchenry.edu/helpdesk

Requirements for the Networking Specialist Certificate

| Curriculum: OCC 1281 | Credit Hours | | |
|----------------------------------|--------------|---|---|
| Program Core | 16 | (3) CDM 110 Computer Literacy for Windows (3) NET 110 Network+ Certification Prep (2) NET 120 Computer Hardware Basics (2) NET 150 Windows Operating Systems | (3) NET 151 Windows Client I (3) NET 152 Windows Server I |
| Program Electives | 8-9 | (3) CDM 120 Computer Ethics (2) NET 140 Linux Operating Systems (3) NET 183 Security+ Certification Prep (3) NET 185 Ethical Hacking | (3) NET 251 Windows Server II (3) NET 252 Windows Server III |
| Total Certificate Credits | 24-25 | | |

For more information, visit: www.mchenry.edu/networking

Requirements for the PC Support Specialist Certificate

| Curriculum: OCC 128 | Credit Hours | | |
|----------------------------------|--------------|--|--|
| Program Core | 17 | (3) CDM 110 Computer Literacy for Windows (2) NET 150 Windows Operating Systems (2) NET 120 Computer Hardware Basics | (3) NET 110 Network+ Certification Prep (3) NET 125 A+ Certification Prep (2) NET 140 Linux Operating Systems (2) NET 180 Computer Security Awareness |
| Total Certificate Credits | 17 | | |

For more information, visit: www.mchenry.edu/pcsupport

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application

**For more information, contact the department chair:
(815) 479-7521.**