

COMPUTER NETWORKS AND SECURITY

“A journey of a thousand miles begins with a single step.” Take the first step to your “Life. Changing” career by becoming a graduate of the Computer Networks and Security Program at Indian Hills Community College!

YEAR ONE

| TERM | CLASS | NAME | CREDITS | DAYS | TIME |
|--------|---------|---------------------------------|---------|-------|---------------|
| FALL | NET 122 | Computer Hardware Basics | 3 | MTWTH | 08:00 - 09:50 |
| WINTER | NET 786 | Fundamentals of Desktop Support | 4 | MTWTH | 08:00 - 09:50 |
| SPRING | ELT 110 | Electronics | 2 | MW | 08:00 - 09:50 |
| | CSC 110 | Introduction to Computers | 3 | TTH | 08:00 - 09:50 |

YEAR TWO

| TERM | CLASS | NAME | CREDITS | DAYS | TIME |
|--------|---------|-------------------------|---------|-------|---------------|
| FALL | NET 445 | Linux Operating Systems | 4 | MTWTH | 08:00 - 09:50 |
| WINTER | NET 725 | Networking Essentials | 3 | MTWTH | 08:00 - 09:50 |
| | ENG 111 | Technical Writing | 3 | MTWTH | 10:00 - 10:50 |
| SPRING | NET 310 | Virtual Machines | 3 | MTWTH | 08:00 - 09:50 |
| | NET 684 | TCP/IP for Networking | 4 | MTWTH | 10:00 - 11:50 |

DID YOU KNOW THAT IF YOU'RE TAKING INDIAN HILLS CLASSES WHILE STILL IN HIGH SCHOOL, YOU ALREADY QUALIFY FOR A

\$600 SCHOLARSHIP TO INDIAN HILLS

CHECK OUT THE MINIMUM QUALIFICATIONS AND APPLY TODAY: WWW.INDIANHILLS.EDU/SCHOLARSHIPS



It is the policy of Indian Hills Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family, or marital status in its programs, activities, or employment practices as required by the Iowa Code §§216.6 and 216.9, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), and Title II of the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

If you have questions or complaints related to compliance with this policy, please contact Kristen Parks, Director of Human Resources/Equity Coordinator, 525 Grandview Ave, Ottumwa, IA 52501, (641) 683-5108; Chris Bowser, Executive Dean, Student Services, (students), (641) 683-5159; Darlas Shockley, Executive Dean, Arts & Sciences (students with disabilities), (641) 683-5174; or the U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number (312) 730-1560, fax (312) 730-1576.



Computer Networks and Security Curriculum

ASSOCIATE OF APPLIED SCIENCE DEGREE | Location: Ottumwa Campus | Start Terms: Fall and Spring Terms

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|---------------|--|---------------------------------------|
| TERM I | TOTAL CREDITS: 11 | |
| CSC 110 | Introduction to Computers | 3 <input checked="" type="checkbox"/> |
| ELT 110 | Electronics | 2 <input checked="" type="checkbox"/> |
| NET 122 | Computer Hardware Basics | 3 <input checked="" type="checkbox"/> |
| XXX XXX | Approved Mathematical Reasoning Course | 3 <input type="checkbox"/> |

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| TERM II | TOTAL CREDITS: 13 | |
| BCA 185 | Beginning Webpage Development | 3 <input type="checkbox"/> |
| NET 725 | Networking Essentials | 3 <input checked="" type="checkbox"/> |
| NET 786 | Fundamentals of Desktop Support | 4 <input checked="" type="checkbox"/> |
| XXX XXX | Approved Scientific Systems Course | 3 <input type="checkbox"/> |

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| TERM III | TOTAL CREDITS: 11 | |
| NET 310 | Virtual Machines | 3 <input checked="" type="checkbox"/> |
| NET 445 | Linux Operating System | 4 <input checked="" type="checkbox"/> |
| NET 684 | TCP/IP for Networking | 4 <input checked="" type="checkbox"/> |

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| TERM IV | TOTAL CREDITS: 14 | |
| NET 153 | Advanced Networking | 4 <input type="checkbox"/> |
| NET 319 | Microsoft Server | 3 <input type="checkbox"/> |
| NET 404 | Linux Network Administration | 4 <input type="checkbox"/> |
| NET 478 | Information Storage and Management | 3 <input type="checkbox"/> |

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| TERM V | TOTAL CREDITS: 11 | |
| NET 202 | Programming for Network Administrators | 3 <input type="checkbox"/> |
| NET 343 | Windows Directory Services | 3 <input type="checkbox"/> |
| NET 610 | Security Fundamentals | 2 <input type="checkbox"/> |
| XXX XXX | Approved Culture Course | 3 <input type="checkbox"/> |

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| TERM VI | TOTAL CREDITS: 11 | |
| CIS 351 | Introduction to Database Concepts | 3 <input type="checkbox"/> |
| NET 626 | Network Security Audit | 3 <input type="checkbox"/> |
| NET 671 | Microsoft Exchange Server | 2 <input type="checkbox"/> |
| NET 782 | Computer Users Support | 3 <input type="checkbox"/> |

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| TERM VII | TOTAL CREDITS: 13-14 | |
| ENG 111 | Technical Writing | 3 <input checked="" type="checkbox"/> |
| NET 292 | Information Technology Capstone | |
| | Network Attacks: Detection and Analysis | 5 <input type="checkbox"/> |
| NET 619 | Countermeasures | 3 <input type="checkbox"/> |
| NET 845 | Security Field Projects | 2 <input type="checkbox"/> |
| OR | | |
| NET 932 | Internship | 3 <input type="checkbox"/> |

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|------------------------|--------------------------------|----------------------------|
| OPTIONAL COURSE | | |
| BUS 128 | Foundation to Entrepreneurship | 3 <input type="checkbox"/> |

