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| Course Information: |
| College:  |  Northeast Wisconsin Technical College |
| Course Title:  | IT:Network: Cisco 3 |
| Course Number:  |  10-150-178 |

**Grading Information**

A final grade is based upon the accumulation of points through the semester. These points are earned by completing lab, homework, tests, and quizzes.

Grading scale: A = 90 – 100 B = 80 – 89 C = 70 – 79 D = 60 - 69 F = 59 or Below

**Meta Tags**routers, switches, advanced OSPF, EIGRP, spanning tree, STP, Etherchannel

Text/Resources: All classroom resources including online book, labs and packet tracer activities can be found at <https://www.netacad.com>

**Course Competencies**

Competencies are what learners will be able to do as a result of the learning experience. In this course, the competencies that you must demonstrate are:

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| **#** | **Course Competency:** |
| 1: | Explore the scaling of networks |
| 2: | Configure local area network (LAN) redundancy |
| 3: | Configure Link Aggregation on a LAN device |
| 4: | Configure wireless LAN access |
| 5: | Configure Single Area Open Shortest Path First (OSPF) routing concepts and operations |
| 6: | Configure Multi-Area OSPF concepts and operations. |
| 7: | Configure Enhanced Interior Gateway Routing Protocol (EIGRP). |
| 8: | Manage Cisco IOS® software |

| **Week(s)/ Session:** | **Learning Plan/Description:** | **Targeted Competencies: (#)** | **Assessment Activities, (i.e. Performance Assessment Tasks [PATS], Exam/Quiz, Discussion Board, etc.):** |
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| 1 |  LP1 – Compare Switches and Routers | 1 | Complete Compare Switches and Routers PAT  |
| 2 |  LP2 – Configure a Small LAN | N/A | Complete Configure a Small LAN PAT |
| 3 | LP3 – Configure Spanning Tree Protocol | 2 | Complete Configure Spanning Tree Protocol PAT Written quiz (Proprietary) |
| 4 | LP4 – Configure HSRP and GLBP  | 2 | Complete Configure HSRP and GLBP PAT  |
| 5 | LP5 – Configure Etherchannel | 3 | Complete Configure Etherchannel PAT Written quiz (Proprietary) |
| 6 | LP6 – Configure a Wireless router and client | 4 | Complete Configure a Wireless router and client PAT Review for midterm assessments |
| 7-8 | Testing | 1-4 | Midterm Written Exam (Proprietary)Midterm Lab exam (Proprietary) |
| 9 | LP7 – Adjust and Troubleshoot OSPF | 5 | Complete Adjust and Troubleshoot OSPF PAT  |
| 10 | LP8 – Configure Multiarea OSPF | 5, 6 | Complete Configure Multiarea OSPF PAT  |
| 11 | LP9 – Configure EIGRP  | 7 | Complete Configure EIGRP PAT Written quiz (Proprietary) |
| 12 | LP10 – Configure Advanced EIGRP  | 7 | Complete Configure Advanced EIGRP PAT  |
| 13 | LP11 – IOS images | 8 | Complete IOS images PATWritten quiz (Proprietary)Review for final assessments |
| 14-15 | Testing | 1-8 | Final Written Exam (Proprietary)Final Lab exam (Proprietary) |