

Certificate in Information Technology - Networking Specialist – Network Security Professional
CIP 11.1003 – Computer and Information Systems Security/Information Assurance

Macomb Program Information

Classification of Industry Program

- 11.1003 – Computer and Information Systems Security/Information Assurance

Program Level

- Undergraduate Certificate

Program Length*

- 28 months

Cost of Program**

- Total tuition and fees for entire program: \$5,330
- Estimated cost of books and supplies for entire program: \$2,547

<http://www.macomb.edu/TuitionFees>

Debt at Program Completion

- Number of students who completed program in 2009-10: 0
- Number of completers with any student loan debt: 0
- Median federal debt: \$0
- Median private debt: \$0

Program Completion in Normal Time

- Normal time to complete program: 28 months
- Percent of students completing program in normal time: No program completers in 2009-10.

Job Placement

- Job placement data is not required for this program.

**Program length and normal time to completion are calculated by the student attending fall and winter semesters and completing 24 credits during each 12-month period.*

***Tuition and fees are based on the 2011 in-district rate for on-campus classes. Estimated cost of books and supplies is \$47.17 per credit based on the college's published average of \$1,132 per year for full-time (24 credits).*

CIP Information

CIP Description

A program that prepares individuals to assess the security needs of computer and network systems, recommend safeguard solutions, and manage the implementation and maintenance of security devices, systems, and procedures. Includes instruction in computer architecture, programming, and systems analysis; networking; telecommunications; cryptography; security system design; applicable law and regulations; risk assessment and policy analysis; contingency planning; user access issues; investigation techniques; and troubleshooting.

Jobs Related to this CIP

(Job information from Federal O*NET Website)

Computer and Information Systems Managers

<http://www.onetonline.org/link/summary/11-3021.00>

Information Security Analysts

<http://www.onetonline.org/link/summary/15-1122.00>

Database Administrators

<http://www.onetonline.org/link/summary/15-1141.00>

Network and Computer Systems Administrators

<http://www.onetonline.org/link/summary/15-1142.00>

Computer Network Architects

<http://www.onetonline.org/link/summary/15-1143.00>

Computer Network Support Specialists

<http://www.onetonline.org/link/summary/15-1152.00>