

Certificate in Information Technology – Programming for Electronic Games
CIP 11.0201 – Computer Programming/Programmer, General

Macomb Program Information

Classification of Industry Program

- 11.0201 – Computer Programming/Programmer, General

Program Level

- Undergraduate Certificate

Program Length*

- 28 months

Cost of Program**

- Total tuition and fees for entire program: \$5,532
- Estimated cost of books and supplies for entire program: \$2,453

<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 focuses on the general writing and implementation of generic and customized programs to drive operating systems and that generally prepares individuals to apply the methods and procedures of software design and programming to software installation and maintenance. Includes instruction in software design, low- and high-level languages and program writing; program customization and linking; prototype testing; troubleshooting; and related aspects of operating systems and networks.

Jobs Related to this CIP

(Job information from Federal O*NET Website)

Computer Programmers

<http://www.onetonline.org/link/summary/15-1031.00>

Software Developers, Applications

<http://www.onetonline.org/link/summary/15-1132.00>

Software Developers, Systems Software

<http://www.onetonline.org/link/summary/15-1133.00>

Web Developers

<http://www.onetonline.org/link/summary/15-1134.00>

Computer Network Support Specialists

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

Computer Science Teachers, Postsecondary

<http://www.onetonline.org/link/summary/25-1021.00>