

Certificate in Information Technology – Applications Professional
CIP 11.0202 – Computer Programming, Specific Applications

Macomb Program Information

Classification of Industry Program

- 11.0202 – Computer Programming, Specific Applications

Program Level

- Undergraduate Certificate

Program Length*

- 20 months

Cost of Program**

- Total tuition and fees for entire program: \$3,478
- Estimated cost of books and supplies for entire program: \$1,745

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

Debt at Program Completion

- Number of students who completed program in 2009-10: 2
- 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: 20 months
- Percent of students completing program in normal time: Not disclosed due to privacy.

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 apply the knowledge and skills of general computer programming to the solution of specific operational problems and customization requirements presented by individual software users and organizational users. Includes training in specific types of software and its installation and maintenance.

Jobs Related to this CIP

(Job information from Federal O*NET Website)

Computer Programmers

<http://www.onetonline.org/link/summary/15-1131.00>

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>