



## San Jose City College

Enter your institution 6-digit OPEID:

0128200

PROGRAM NAME & LENGTH: **MS.Net Application Development**

Enter Department of Education 6-digit CIP for program (Ex: 11.0101) and click on "Search CIP":

**11.0201**

CIP Program description:

Microsoft .NET architecture is an emerging technology and is a de facto industry standard. This is a certificate that includes two fundamental design courses and six advanced courses in MS.NET programming. One of the current innovative software architectures used to develop web-based programs, the MS.NET series of courses provides students with knowledge of how to design, create, and debug programs written for a variety of academic and business environments. The curriculum includes courses in VB, ASP, and C# that will prepare them for employment as engineers developing software applications for professional and academic environments. Students will write programs in C++, VB.NET, and C# that demonstrate how to apply core.NET concepts within an Object Oriented Programming (OOP) paradigm. Upon successful completion of this program, students will have learned the latest technologies in Web development so that they are prepared for employment as programmers conversant and competent in using MS.NET structures and application tools.

The program objectives include the following:

1. Understand how to use the components embedded in VB.NET.
2. Link VB.NET to other programming environments such as SQL.
3. Design and develop secure system using C# programming structures.
4. Develop dynamic, interactive web pages using ASP.NET methods and tools.
5. Web development (ASP.NET and Web Services), desktop development (Windows Forms), client/server development (remote services), .NET architecture, .NET framework and common language specifications.
6. Two level training on using C#.
7. Develop large-scales systems appropriate for professional environments.
8. Debug, test, and correct application program errors.
9. Basic web page design using ASP.NET, XHTML, and XSLT style sheets
10. Design and management of databases using MS Access and SQL server.
11. Communication among clients and servers as well as mobile devices.

Enter the name of the program, if different than the CIP program description provided above:



Select the level for this program: Certificate

Enter the program length in months: 9

**RELATED OCCUPATIONS:**

**COST:**

Enter the total tuition and required fees for the entire program completed in normal time:

836

Enter the total estimated costs for books and supplies for the entire program:

1656

Enter the total annual room and board charges for living on campus:

Check here if your institution does not offer on-campus living

Enter the URL for program cost information available on your institution's website under Sec. 668.43(a):

**DEBT AT PROGRAM COMPLETION:**

Enter the number of students completing the program between July 1, 2009 and June 30, 2010:

0

Of the **XXX** *[pre-populated from the response above]* completers reported above, enter the number completing with any student loan debt: *[The percentage of students completing the program with debt will be calculated using this field and the field above]*

For all students (both borrowers and non-borrowers) completing the program between July 1, 2009 and June 30, 2010, enter the median cumulative debt for each of the following:

Federal student loan debt: 0

Private loan debt: n/a

Institutional financing plan debt: n/a

**PROGRAM COMPLETION IN NORMAL TIME:**

Enter the normal time in months to complete program as published in your institution catalog:

15

Of the **XXX** *[pre-populated from response to the first question in the debt at program completion section]* students completing the program between July 1, 2009 and June 30, 2010, enter the number who completed the program within the normal time reported above:

n/a

**JOB PLACEMENT:**

Enter the job placement rate for program completers:

n/a %

For the job placement rate reported above, enter the following information to be included in the template as context for the job placement rate.