



Your Success  
Starts Here.



## PROGRAMMING & SOFTWARE DEVELOPMENT AT SYLVANIA SOUTHVIEW HIGH SCHOOL

**Owens Community College Major:** Computer Programming Technology  
**Program Length:** 4 semesters      **Credits:** 61-62

### PROGRAM INFORMATION

The Computer Programming Technology program prepares you for careers as computer programmer, database administrator, software developer, or web developer. The program will assist you in developing skills in computer programming, computer operations and management; web development and systems analysis. You will obtain a strong foundation in applications frequently used in business and industry including: Windows, Visual Basic, SQL, XML, HTML, and Java.

### JOB OPPORTUNITIES FOR GRADUATES

The Information Systems Department works closely with local businesses and organizations to secure internships and employment opportunities for students and to assure program courses are relevant with current business practices and technology. Students have the option to complete a 150 hour co-op work experience.

US News and World Report's 100 Best Jobs (2014 Edition) rates Software Developer as the #1 and Computer Systems Analyst as the #2 best jobs.

### SALARY

Labor statistics project computer programming jobs to grow as much as 18% with a salary range from \$38,000 to \$62,000.

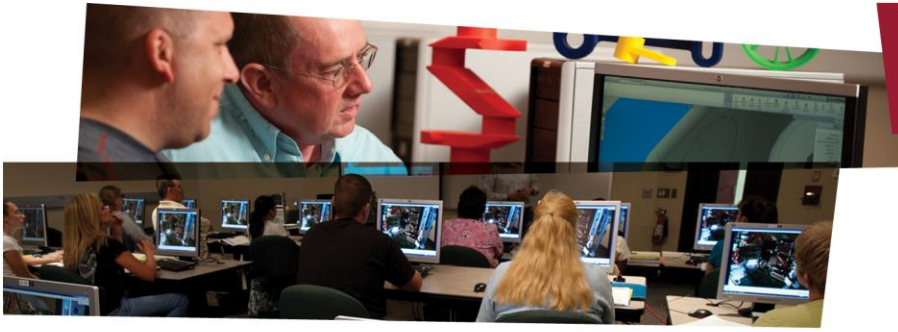
Computer programming – growth: 8%-14%  
Database administrator – growth: 15%-21%  
Software developer – growth: 22%+  
Web developer – growth: 15%-21%

### TECH PREP SCHOLARSHIP

Owens Community College offers Tech Prep scholarships to graduating high school seniors who have participated in a Tech Prep career pathway within the Greater Northwest Ohio Tech Prep Consortium. The maximum award is \$2,000 total (\$1,000 per year) or \$500 per semester for four semesters to cover tuition, fees, and an allotment for books **that are not covered** by other financial aid, such as Federal Pell Grant, as long as the student maintains eligibility. This scholarship does not pay for supplies, lab fees, course fees, and other institutional fees. Students must earn a 2.5 on a 4.0 GPA scale by the end of the 7<sup>th</sup> semester of high school. They must enroll at Owens, full time, for the fall semester immediately following high school graduation, and declare an associate degree program related to the chosen high school Tech Prep pathway.



OWENS  
COMMUNITY COLLEGE



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**1ST SEMESTER**

BUS 102 College & Career Professional Credits: 3  
**IST 112 Intro to Computer Programming Credits: 3**  
 IST 126 Introduction to HTML Credits: 2  
 IST 131 Computer Concepts and Apps Credits: 3  
 MTH 170 College Algebra\* Credits: 4

**2ND SEMESTER**

BUS 101 Contemporary Business Credits: 3  
 ECO 201 Microeconomics\* Credits: 3  
 ENG 111 Composition I\* Credits: 3  
 IST 135 Visual Studio Credits: 4  
 IST 144 Intro Database Design & SQL Credits: 3

**3RD SEMESTER**

ENG 112 Composition II\* Credits: 3  
 IST 128 Intro to XML Credits: 2  
 IST 140 Advanced Visual Studio Credits: 4  
**IST 265 Introduction to Java Credits: 4**  
 GPH 106 Human Geography\* Credits: 3  
 OR  
 GPH 108 Geography of the US and Canada\* Credits: 3

**4TH SEMESTER**

IST 230 Systems Analysis & Design Credits: 3  
 IST 269 Programming Mobile Application Credits: 4  
 IST 289 Project Management Credits: 3  
 OR  
 IST 293 Info Systems Coop Wk Exp Credits: 2  
 \_\_\_\_\_ IST Elective Credits: 3  
 PHL 102 Principles of Ethics\* Credits: 3

This program participates in College Credit Plus (CCP) at Owens Community College.

College Credits earned via CCP: 07  
**TOTAL: 07**

**Cost savings to the student: \$1,071**  
*Calculation is based on current tuition structure, and is subject to change.*

Students do not receive an application fee if they continue their studies at Owens Community College!

For enrollment information, please contact your Admissions Representative:

Office of Admissions  
 30335 Oregon Rd.  
 Perrysburg, OH 43551  
 (567) 661-7777

\*Ohio Transfer Module Course; More information about the Ohio Transfer Module Course can be found at [www.ohiohighered.org/transfer/transferrmodule](http://www.ohiohighered.org/transfer/transferrmodule)

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