

Information Technology- Web Analyst/Programmer



PROGRAM SHEET



INFORMATION TECHNOLOGY

Possible Careers

- Web Programmer
- Web Analyst
- Web Developer
- Web Designer

Salary Information

Average wage was \$18.59 an hour for 2007 Wisconsin Technical College Information Technology – Web Analyst/Programmer graduates. Average annual salary was \$40,359.

weare
futuremakers

Associate Degree – 66 Credits

Analysts/Programmers design code, and test new computer software and modify existing web-based software applications. They work with other members of the business team to solve business problems using computer capabilities. They may also set up computer systems and teach others how to use them.

The Information Technology-Web Analyst/Programmer program provides a solid foundation in web-based software application design and programming. Students gain an understanding of business operations and the factors that determine which functions a computer program or system should perform. Students learn how to design and write programs using various programming languages and to maintain computer files and websites. Students become proficient in using microcomputers, mini-computers, and web-based network systems. The program includes courses in communications, human relations, economics, and accounting.

The program prepares students for entry-level positions as web computer programmers, programmer/analysts, web designer, or web developers.

Information Technology- Web Analyst/Programmer

Information Technology-Web Analyst/ Programmer Degree Program Outcomes

- 1) Demonstrate the ability to design and implement efficient relational database structures, such as 3NF.
- 2) Demonstrate an understanding of the various career opportunities in the Information Technology field, along with the social and ethical responsibilities required of those positions.
- 3) Prepare commonly used documents and procedures extracting information from Information Technology case studies.
- 4) Demonstrate the ability to write computer programs to access database records.
- 5) Demonstrate the ability to write interactive computer programs.
- 6) Demonstrate the ability to write web-based programs.
- 7) Demonstrate an understanding of the fundamentals of computer networking and the various technologies of local and wide area computer networks through lab assignments and projects.
- 8) Demonstrate the ability to develop the requirements of information systems and databases.
- 9) Demonstrate the ability to write software documentation and system design specifications.

Certifications

Nicolet offers a number of different short-term certificates in Information Technology. These include an Information Security Advanced Certificate as well as the Cisco CCNA Certificate, Database Management Certificate, Desktop Support Technician Certificate, the Web Programming and Development Certificate, and the Website Development and Support Certificate.



Nicolet College Admissions Office
715.365.4451 or 800.544.3039 ext. 4451
inquire@nicoletcollege.edu
University Transfer Center Room 210
5364 College Drive
Rhineland, WI 54501
www.nicoletcollege.edu

Transfer Nicolet Credits to a Bachelor's Degree

Students who complete the Information Technology-Web Analyst/Programmer associate degree can transfer their credits to a number of different four-year colleges and universities that award bachelor's degrees. For a complete list of the transfer agreements, visit the Information Technology-Web Analyst/Programmer web page at www.nicoletcollege.edu.

Curriculum	Credits
First Year	
Fall Semester	
*10-150-110 Networking Fundamentals	3
*10-152-115 Database Fundamentals	3
*10-154-125 IT Documents and Processes	2
*10-154-177 Web Programming Fundamentals	3
10-801-195 Written Communications	3
10-804-123 Math with Business Application	3
	17
Spring Semester	
*10-107-127 IT Careers	3
*10-152-120 Introduction to Programming	3
*10-154-140 PC Maintenance & Troubleshooting	3
*10-154-165 Project Management	2
10-801-196 Oral/Interpersonal Communication	3
10-809-199 Psychology of Human Relations	3
	17
Fall Semester	
*10-152-125 Database Design & Implementation	3
*10-152-131 C# Programming	3
*10-152-183 Interactive Web Programming	3
10-801-197 Technical Reporting	3
10-809-197 Contemporary American Society	3
	15
Spring Semester	
10-101-140 Survey of Accounting	3
*10-152-140 Emerging Software Development Technol.	3
*10-152-142 SQL Programming	2
*10-152-145 Java Programming	3
*10-152-170 Systems Analysis & Design	3
10-809-195 Economics	3
	17

*Students must have a grade of "C-" or better in any course to progress in courses which require that course as a prerequisite and a grade of "C-" or better in all core courses to graduate. A cumulative G.P.A. of 2.0 is required for graduation. **Bold indicates courses with prerequisites and/or co-requisites.** Be sure to check course descriptions for course sequences and prerequisites.