

Application and Web Programming

Why should I major in Application and Web Programming?

If you are logical and detail-oriented, you might enjoy a career as an application or web programmer. The Application and Web Programming degree prepares students for entry-level professional careers in the business world. Through this program, you will become proficient in major programming languages such as C++, Java and Visual BASIC.NET. You will also have the opportunity to learn the latest web technologies, and database concepts and connectivity. In Iowa Western's Computer Studies programs, students work in small classes in a hands-on environment.



What type of degree will I earn at Iowa Western if I enroll in this program?

Graduates of a two-year Application and Web Programming program earn an Associate of Applied Science (AAS) degree. Other degree options in similar fields of study include earning an Associate of Applied Science (AAS) degree in Network and System Administration; or an Associate of Arts (AA) degree in Computer Science or Computer Science – MIS; or an Associate of General Studies (AGS) degree in Computer Studies.

If I major in Application and Web Programming, can I transfer to a four-year college or university?

By earning an AAS degree in our Software Programming program, you'll be prepared to enter the workforce immediately. If your goal is to obtain a bachelor's degree, you should work with Iowa Western's advising staff to plan your coursework based on existing articulation agreements between Iowa Western and four-year institutions.

What is the job outlook for Application and Web Programming graduates and what type of jobs will I be qualified for?

The job market for graduates of this program remains stable. Quality software programmers are in demand and openings are available in this field. Average annual compensation fall into the range of \$32,000 to \$45,000 per year.

Program of Study

The Application and Web Programming program of study prepares students for entry-level professional careers as application programmers and web developers in the business world. Upon successful completion, students in this course of study are proficient in C++, Java, Visual BASIC.NET, database management, and World Wide Web technologies. Students gain experience in these languages while working hands-on with current technology and multiple computer environments. Graduates of this program are awarded an Associate of Applied Science (A.A.S.) degree.

* Students must complete the curriculum described below:

RECOMMENDED COURSE SEQUENCE

First Semester		Cr.
BCA 105	Introduction to Information Technology	3
CIS 207	Fundamentals of Web Programming	3
	A.A.S. Mathematics Requirement (MAT 110 or higher)	3
CSC 110	Introduction to Computers	3
CIS 161	C++ Programming	3
CIS 164	Advanced C++	3
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Second Semester		Cr.
BUS 102	Introduction to Business <u>OR</u>	3
BUS 130	Introduction to Entrepreneurship	3
CIS 332	Database and SQL	3
CIS 215	Server Side Web Programming	3
CIS 171	Java	3
CIS 175	Java II	3
	A.A.S. Communications Requirement (ENG 105, 110 or 111)	3
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Third Semester		Cr.
CIS 504	Structured Systems Analysis	3
MGT 195	Workplace Empowerment	3
BCA 184	Comprehensive Web Page Design Software	3
NET 402	LINUX Network Administration	3
CIS 606	Visual BASIC.NET I	3
CIS 607	Visual BASIC.NET II	3
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Fourth Semester		Cr.
CIS 780	Computer Projects <u>OR</u>	6
NET 810	Computer Internship	3
CIS 227	Advanced Web Design	3
CIS 213	Advanced Client Side Scripting	3
CSC 192	Flash Animation	3
	Social Science/Humanities Elective	3
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72 semester hours required

**For More Information,
contact the Admissions Office:
712.325.3277 or 800.432.5852, ext. 3277
or the Program Chair at 712.325.3271
www.iwcc.edu**