



20000 68th Ave W  
Lynnwood, WA 98036-5999  
www.edcc.edu

# Computer Information Systems Business Systems Analyst Advanced Certificate Program Requirements 2011-2012

Student Name \_\_\_\_\_  
Student ID \_\_\_\_\_

**Program Description** This advanced certificate emphasizes a systems approach to understanding and solving business problems specifically related to the acquisition or development of information systems. The core courses introduce students to a variety of methods and tools for understanding problems and identifying system requirements.

This certificate will prepare students for a variety of roles that require the ability to research problems, gather requirements, document system specifications and make recommendations for information systems. Upon completion of this certificate students may be qualified for the following jobs

- Systems analyst
- Business analyst
- Programmer analyst
- Technical writer
- Information Technology Analyst
- Business Requirements Analyst
- I.T. Project Manager

**Degree Outcomes** Outcomes for Edmonds Community College degrees and certificates can be found in the online college catalog at the bottom of each degree or certificate. To find specific outcomes, click on the degree or certificate from the program list in the online catalog at <http://catalog.edcc.edu>.

**Common Course Numbering Changes** Please refer to [www.edcc.edu/ccn](http://www.edcc.edu/ccn) for more information.

**Entry Requirements**

This certificate **begins at an advanced level and is designed for students already in the IT field.** Students entering this program will need to complete a portfolio of prior learning by taking CIS 116. The portfolio will be used to waive entry-level courses and place students in the appropriate advanced courses. Please see a CIS faculty adviser for more information.

**Certificate Requirements** This certificate is awarded upon a student's completion of a minimum of **41 credits of *Program Requirements*** as outlined. A minimum of 30 credits or one-third of the required credits, whichever is less, must be earned at Edmonds Community College. Students are required to maintain a minimum cumulative grade point average of 2.0 in all college-level courses as well as a minimum grade point average of 2.8 within the program requirements. Students planning to continue on to 2-year degrees should plan ahead while working toward their certificate. For a smooth transition from certificate to degree, students should see a CIS adviser at their earliest opportunity.

**Students Are Advised To**

- Plan their schedule several quarters in advance in order to accommodate courses that are offered only once or twice a year
- Review the college catalog for required course prerequisites and include these in schedule planning
- Check plans with the appropriate faculty adviser

**Graduation Application** A completed Graduation Application form must be submitted to Enrollment Services by the 10<sup>th</sup> day of the quarter in which the student expects to graduate. Forms are available at Enrollment Services located in Lynnwood Hall, or online at [www.edcc.edu/credentials/](http://www.edcc.edu/credentials/)

More information about the CIS program is available by visiting the web site below or by calling 425-640-1902.

**Adviser** The adviser for this certificate is  
Eva Smith [esmith@edcc.edu](mailto:esmith@edcc.edu) 425-640-1171

**College Resources**

CIS Department <http://cis.edcc.edu>  
Home Page <http://www.edcc.edu>  
How to enroll <http://getstarted.edcc.edu>  
Bookstore <http://www.edcc.edu/bookstore>  
Advising Appointments 425-640-1458

Adviser's Signature	Date	Dean's Signature	Date

**PGM Code – 503L**  
**Effective summer 2011**

02/11

This requirement sheet is not a substitute for meeting with an academic adviser. Meeting the requirements to graduate with an Edmonds Community College certificate or degree is ultimately the responsibility of the student.

Course			Cr	Trans	Grade
<b>I. Core Program Requirements (31 credits)</b>					
CIS	116	Prior Learning Assessment	1	_____	_____
CIS	220	Enterprise Architecture	5	_____	_____
CIS	233	Systems Analysis	5	_____	_____
CIS	234	Systems Design & Development	5	_____	_____
CIS	235	Requirements Modeling	5	_____	_____
CIS	250	Database Theory & Design	5	_____	_____
CIS	253	Application Development Tools	5	_____	_____
<b>II. Electives Programming or Business Management Concentration (10 Credits)</b>					
<b>Recommended Choices</b> (Choose two of the following)					
CIS	241	Web Development I	5	_____	_____
CIS	256	Data Warehousing Fundamentals	5	_____	_____
CIS	298	Advanced Individual Project	5	_____	_____
CS	115	Intro to Programming	5	_____	_____
MGMT	215	Business Information Management	5	_____	_____
MGMT	270	Project Management I	5	_____	_____
<b>Other (as Approved by Adviser)</b>					
_____	_____	_____	5	_____	_____
_____	_____	_____	5	_____	_____

### Prerequisites

Class	Prerequisite
CIS 220	CIS 125 or CIS 116
CIS 233	45 credits toward an ATA degree, including at least 1 writing course
CIS 234	CIS 233, CIS 253 or programming course
CIS 250	20 credits toward a CIS degree or CIS 116
CIS 253	CS 115 (was CMPSC 115), CIS 250 (or concurrent enrollment)
CIS 235	CIS 250, CIS 233
MGMT 215	None

### NOTE:

These prerequisites may be waived by completing a prior learning portfolio in CIS 116, or by attaining instructor permission prior to registering for the course