



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

# Computer Information Systems Database Information Technologies Associate of Technical Arts Degree Program Requirements 2011-2012

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

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

**Program Description** This degree is designed for individuals with experience or prior training in Information Technology who wish to augment their current skills or acquire new abilities to advance their job skills and qualifications. Individuals completing this degree may qualify for employment in a variety of roles including, database designers, developers or administrators, business or systems analysts, or information technology management.

Topics covered in the core courses and related / specialized studies map to the Certified Data Management Professional (CDMP) exams, administered through the Institute for Certification of Computing Professionals (<http://www.iccp.org>), and are continually being added and updated to meet industry needs.

**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** Students entering CIS programs will need to contact Enrollment Services and take both the English and Math placement tests. Students should bring the results of these tests to their first advising appointment with a CIS adviser for proper placement into the program. In addition, some CIS certificates and degrees begin at an advanced level and are designed for students already in the IT field. Students entering these programs may 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 adviser for more information.

The prerequisite for the required math course, CIS 114 Math and Problem Solving, is placement into MATH 080. Students with ACCUPLACER scores below the required level should take the appropriate math prerequisites and plan their schedule accordingly.

**Credit/Grade Requirements** This degree is awarded upon a student's completion of a minimum of **96** credits of *General Education/Related Instruction Requirements and 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.

**General Education/Related Instruction Requirements:** Students who complete degrees or certificates of 45 credits or more are required to demonstrate learning in the following general education/related instruction areas: communications, computation/quantitative skills, and human relations/group interaction.

**Cultural Diversity Requirement** Edmonds Community College requires that students earning a degree or certificate of 45 credits or more meet the Cultural Diversity Requirement. Courses that satisfy this requirement are marked as “:CD” on the requirement sheet and/or “Meets Cultural Diversity Requirement” in the quarterly class schedule.

**Career Management Requirement** Students obtaining ATA degrees are required to take at least 1 credit of career management, which can be satisfied by taking either CIS 116 or CIS 280.

### 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
- See the CIS website to determine when courses are generally offered

**CWU Transfer** This ATA degree transfers directly to Central Washington University's Bachelor's in Information Technology and Administrative Management on the Edmonds Community College campus. Students must complete specific requirements for English, math and logic. For more information, see the CWU BAS-ITAM link below or CWU adviser at [linklett@cwu.edu](mailto:linklett@cwu.edu).

**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 on-line at <http://cis.edcc.edu> or call 425-640-1902.

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

### College Resources

CIS Department	<a href="http://cis.edcc.edu">http://cis.edcc.edu</a>
CWU BAS-ITAM	<a href="http://www.cwu.edu/~itam/">http://www.cwu.edu/~itam/</a>
Home Page	<a href="http://www.edcc.edu">http://www.edcc.edu</a>
How to enroll	<a href="http://getstarted.edcc.edu">http://getstarted.edcc.edu</a>
Bookstore	<a href="http://bookstore.edcc.edu">http://bookstore.edcc.edu</a>
Advising Appointments	425-640-1458

Course			Cr	Trans	Grade
<b>I. General Education /Related Instruction Requirements (16 credits)</b>					
<b>Communication Skills - 5 credits (Choose ONE of the following)</b>					
BSTEC	110	Business Communications:CD	5	_____	_____
ENGL&	101	English Composition I* (CWU Transfer)	5	_____	_____
ENGR	231	Intro to Technical Writing	5	_____	_____
<b>Computation/Quantitative Skills - 5 credits</b>					
CIS	114	Math and Problem Solving	5	_____	_____
Bachelor's Transfer Math*		_____	5	_____	_____
<b>Human Relations/Group Interaction - 5 credits</b>					
<b>(Choose ONE of the following)</b>					
MGMT	100	Human Rel/Organiz:CD	5	_____	_____
CMST&	230	Small Group Communication	5	_____	_____
CMST&	210	Interpersonal Communication	5	_____	_____
<b>Career Management - 1 credit (Choose ONE of the following)</b>					
CIS	116	IT Prior Learning Assessment	1	_____	_____
CIS	280	Career Planning	1	_____	_____
<b>II. Program Requirements (65 credits)</b>					
<b>Enterprise Systems Analysis and Design - 20 credits</b>					
CIS	220	Enterprise Architecture	5	_____	_____
CIS	233	Systems Analysis	5	_____	_____
CIS	234	Systems Design & Development	5	_____	_____
CIS	235	Requirements Modeling	5	_____	_____
<b>Data Management Principles and Technologies - 35 credits</b>					
CIS	250	Database Theory & Design	5	_____	_____
CIS	251	Structured Query Language (SQL)	5	_____	_____
CIS	252	DBA Fundamentals	5	_____	_____
CIS	253	Application Development	5	_____	_____
CIS	254	Database Procedures & Functions	5	_____	_____
CIS	256	Data Warehousing Fundamentals <b>OR</b>	5	_____	_____
CIS	298	Adv. Individual Project		_____	_____
CIS	260	Intro to XML	5	_____	_____
<b>Business Management - 10 credits</b>					
MGMT	215	Business Information Management	5	_____	_____
MGMT	270	Project Management I	5	_____	_____
<b>III. Electives (minimum of 15 credits as approved by an Adviser)</b>					
_____	_____	_____	5	_____	_____
_____	_____	_____	5	_____	_____
_____	_____	_____	5	_____	_____

Cultural Diversity Requirement met \_\_\_\_\_  
 \_\_\_\_\_  
 Course Number/Quarter

\*Students who plan to transfer credits toward a Bachelor's degree should take ENGL& 101 and should consult an adviser regarding the transfer Math requirement

_____	_____	_____	_____
Adviser's Signature	Date	Dean's Signature	Date