



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

Computer Information Systems Information Security and Digital Forensics Associate of Technical Arts Degree Program Requirements 2011-2012

Student Name _____
Student ID _____

Program Description Our high-level ATA degree in Information Security brings you the latest technology and methods for solving today's business IT Security needs. This curriculum includes computer forensics, incident response essentials, system security for Windows and Linux hosts and servers, packet analysis, virtual private network implementation, firewall implementation, intrusion detection system implementation, security risk analysis and assessment, policy development, layered security design and implementation. Those completing this advanced degree may seek employment as

- Network Security Administrator
- Security Analyst
- Information Security Manager or Engineer
- Information Security Administrator
- Computer Forensics Analyst or Examiner
- Digital Forensics Specialist

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 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 CIS advising appointment. This degree begins at an advanced level and is designed for students already in the IT field. **Conditions of employment in this field may require passing criminal background checks. Students MUST see a CIS faculty adviser for proper placement into this program.**

Credit/Grade Requirements This ATA degree is awarded upon completing a minimum of **91** credits of *General Education/Related Instruction Requirements, Program Requirements and Electives* as outlined. A minimum of 30 credits or one-third, whichever is less, of the required credits must have been received from 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, 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 Bachelors 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 advisor at linklett@cwu.edu.

Graduation Application A completed Graduation Application form must be submitted to Enrollment Services by the 10th 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/

More information about this program is available on-line at <http://infosec.edcc.edu> or call 425-640-1902.

College Resources

CIS Department	http://cis.edcc.edu
CIS Info Sec	http://infosec.edcc.edu
CWU BAS-ITAM	http://www.cwu.edu/~itam/
Home Page	http://www.edcc.edu
How to enroll	http://getstarted.edcc.edu
College Bookstore	http://bookstore.edcc.edu
Advising Appointments	425-640-1458

Course			Cr	Trans	Grade
I. General Education/Related Instruction Requirements (16 Credits)					
Communication Skills -5 credits (Choose ONE of the Following)					
BSTEC	110	Business Communications:CD	5	_____	_____
ENGL	100	Intro to College Writing*	5	_____	_____
ENGL&	101	English Composition I* (CWU transfer)	5	_____	_____
ENGR	231	Intro to Technical Writing	5	_____	_____
Computation/Quantitative Skills – 5 credits (Choose ONE of the following)					
CIS	114	Math and Problem Solving	5	_____	_____
MATH	140	Business Precalculus *(CWU Transfer)	5	_____	_____
MATH&	141	Precalculus I* (CWU Transfer)	5	_____	_____
Bachelor's Transfer Math*_____			5	_____	_____
Career Management – 1 credit (Choose ONE of the following)					
CIS	280	Career Planning	1	_____	_____
CIS	116	IT Prior Learning Assessment	1	_____	_____
Human Relations/Group Interaction – 5 credits					
CIS	201	Digital Forensics and the Law	5	_____	_____
II. Program Requirements (50 credits)					
CS	125	Linux/UNIX I	5	_____	_____
CIS	265	Network Administration**	5	_____	_____
CIS	272	Digital Forensics I	5	_____	_____
CIS	273	Digital Forensics II	5	_____	_____
CIS	274	Intro to Network Security	5	_____	_____
CIS	275	Host System Security I	5	_____	_____
CIS	277	Security Implementation I	5	_____	_____
CIS	278	Security Implementation II	5	_____	_____
CIS	279	Designing Network Security	5	_____	_____
CIS	293	Digital Forensics III	5	_____	_____
III. Elective Credit (25 credits) (Choose FIVE of the Following)					
CIS	171	Cisco Networking I	5	_____	_____
CIS	172	Cisco Networking II	5	_____	_____
CIS	173	Cisco Networking III	5	_____	_____
CIS	174	Cisco Networking IV	5	_____	_____
CIS	225	Web Server Tech/Security	5	_____	_____
CIS	233	Systems Analysis	5	_____	_____
CIS	264	Active Directory Admin	5	_____	_____
CIS	271	Linux +	5	_____	_____
CIS	276	Host System Security II	5	_____	_____
CIS	283	Linux Server Security	5	_____	_____
CIS	294	Advanced Data Recovery	5	_____	_____
CS	126	Linux/UNIX II	5	_____	_____
CS	225	UNIX Shell Programming	5	_____	_____

☐ Cultural Diversity Requirement Met _____
Course Title/Number

☐ Student has met with faculty adviser for proper placement

Adviser signature _____ Date _____

* 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

** Prerequisites for CIS 265 are waived for Information Security students with adviser approval

Adviser's Signature _____	Date _____	Dean's Signature _____	Date _____
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PGM Code – 506V
Effective summer 2011

Rev 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.