



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

Computers, Electronics, and Networks Department Robotics and Electronics Technology Associate of Technical Arts Degree Program Requirements 2011-2012

Student Name _____

Student ID _____

Program Description The Robotics and Electronics Technology Associate of Technical Arts (ATA) degree program prepares students to enter the job market as

- Electronics Technicians
- Electromechanical Technicians
- Field Service Technicians
- Manufacturing Technicians

The Training is generic and is applicable to many fields such as Aerospace, Electronics Manufacturing, Medical Equipment and Telecommunications. This program trains students in electronic circuit analysis, functional testing and troubleshooting of complex linear, digital, robotic and microprocessor/microcontroller based systems. This training makes extensive use of practical, hands-on learning. Whenever possible, we model real-world applications so our graduates are fully prepared to step into the working world.

This program takes two academic years to complete. Students typically enter in fall quarter unless they have prior electronics training. Students should have taken high school algebra, have strong reading skills, and an aptitude for solving technical problems. Students who complete just the first year of this program are eligible for the *Certificate in Basic Electronics*.

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.

Credit/Grade Requirements This ATA degree is awarded upon a student's completion of a minimum of **90** credits of *Program Requirements* and *Recommended 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.

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 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.

High School Transition Program Students (Tech Prep, College in the High School, Running Start) It is recommended that high school students who have earned college credit through dual credit programs meet with a college adviser.

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 adviser at linklett@cwu.edu.

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 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/.

Advisers The advisers for this program are
 Kay Latimer klatimer@edcc.edu 425-640-1136
 Bill Marshall bmarshall@edcc.edu 425-640-1985

College Resources

CEN Department	http://cen.edcc.edu
Home Page	http://www.edcc.edu
How to Enroll	http://getstarted.edcc.edu
Transfer Center	http://transfer.edcc.edu
College Bookstore	http://bookstore.edcc.edu
Advising Appointments	425-640-1458
CWU BAS-ITAM	http://www.cwu.edu/~itam

PGM Code – 630T
Effective summer 2011

Rev 2/11

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
1. General Education/Related Instruction Requirements (16 Credits)					
Communication Skills -5 credits					
BSTEC	110	Business Communications:CD	5	_____	_____
Computation/Quantitative Skill – 5 credits					
CEN	150	Applied Math for Electronics	3	_____	_____
CEN	166	Math for Networks	2	_____	_____
Career Management – 1 credit					
CIS	280	Career Planning	1	_____	_____
Human Relations/Group Interaction – 5 credits					
MGMT	100	Human Rel/Organiz:CD	5	_____	_____
2. Program Requirements – (74 credits)					
CIS	100	Intro to Business Computing OR	5	_____	_____
BSTEC	130	Computer Fundamentals	5	_____	_____
CEN	111	Soldering and Cabling	5	_____	_____
CEN	151	DC Electronics	7	_____	_____
CEN	162	AC and Linear Electronics	7	_____	_____
CEN	163	Digital & Microprocessor Electronics	7	_____	_____
CEN	176	Introduction to Robotics	5	_____	_____
CEN	177	Robotics 2	5	_____	_____
CEN	178	Robotics 3	5	_____	_____
CEN	251	Advanced Digital Circuits	7	_____	_____
CEN	252	Advanced Robotics	7	_____	_____
CEN	253	Advanced Linear Circuits	7	_____	_____
CIS	180	Wireless Networking	5	_____	_____
Elective	_____	_____	2	_____	_____

Cultural Diversity Requirement Met

_____ **Course Number/Quarter**

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