



Degree Planning Sheet Computer Electronics Associate of Applied Science

Updated: 8/27/2010

Student Name: _____ Advisor: _____

Student ID #: _____ Advisor Signature: _____

This two-year degree program trains students in maintenance and repair of digital /computer equipment including computer circuitry, hands-on maintenance, electronic fundamentals, and programming. Students are prepared for employment as computer technicians, field service representatives, and other jobs requiring electronic skills.

Note: Please consult with your faculty advisor for a course selection that enables program completion in the shortest time and in the best way possible.

GENERAL EDUCATION REQUIREMENTS (23 - 24 Credits)

Oral Communications Courses - select one 3-credit class from the following:

Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
COMM A111	Fundamentals of Oral Communication	3			
COMM A235	Small Group Communication	3			
COMM A241	Public Speaking	3			
Total credits required: 3			Total credits taken:		

Written Communication Courses (6 credits):

Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
ENGL A111	Methods of Written Communication	3			
ENGL A212	Technical Writing	3			
Total credits required: 6			Total credits taken:		

Math Courses (6-7 credits):

Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
MATH A105	Intermediate Algebra	3			
MATH A107	College Algebra	4			
Total credits required: 6-7			Total credits taken:		

Physical Science Courses - select one 4-credit class (with lab) from the following:

Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
PHYS A115/L	Physical Science + Lab	4			
PHYS A123/L	Basic Physics I	4			
Total credits required: 4			Total credits taken:		

Natural Science Courses - select one 4-credit class (with lab) from the following:

Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
PHYS A124/L	Basic Physics II	4			
CHEM A103/L	Survey of Chemistry	4			
CHEM A105/L	General Chemistry I	4			
Total credits required: 4			Total credits taken:		



MAJOR REQUIREMENTS (30 credits)

Major Requirements - complete the following courses (27 credits):

Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
CIS A110	Computer Concepts in Business	3			
CNT A212	Network Technician Fundamentals	3			
ET A101/L	Basic Electronics, DC Physics + Lab	4			
ET A102/L	Basic Electronics, AC Physics + Lab	4			
ET A126/L	Principles of Logic & Gating + Lab	4			
ET A175	Technical Introduction to Microcomputers	3			
ET A240	Application of Integrated Circuits	3			
ET A241	Microcomputer Interfacing	3			
Total credits required: 27			Total credits taken:		

Major Requirements - select one 3-credit class from the following:

Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
CS A109	Computer Programming: (Languages vary)	3			
CS A110	Java Programming	3			
CS A111	Visual Basic.NET	3			
CS A201	Programming Concepts	3			
CS A207	C Programming	3			
Total credits required: 3			Total credits taken:		

ELECTIVES (5 - 7 Credits)

Approved Applied Technology Electives - select classes from the following programs (3-5 credits):

Advisor approved technical elective chosen from Computer Science, Computer Network Technology, or Electronics

Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
	<i>Must be advisor approved</i>				
	<i>Must be advisor approved</i>				
Total credits required: 3 - 5			Total credits taken:		

Electives - select classes (1-4 credits):

Course No.	Course Title	Credits possible	Semester taken	Grade	Credits taken
Total credits required: 1 - 4			Total credits taken:		

Total credits required for degree: 60

Total credits taken:

General University Requirements

- All courses must be at the 100 level or above.
- Students must earn at least 15 credits in residence.
- Students must earn a cumulative GPA of at least 2.00 (C) at UAA.
- All requirements must be met within 5 years of formal acceptance to an associate degree program.
- No more than 15 military credits can be applied toward an associate degree.



Computer Electronics

Example Course schedule

First Year Fall		
ENGL A111	Methods of Written Communication	3
MATH A105	Intermediate Algebra	3
CIS A110	Computer Concepts in Business	3
CNT A212	Network Technician Fundamentals	3
Elective	Elective	2
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First Year Spring		
MATH A107	College Algebra	4
ET A126/L	Principals of Logic & Gating + Lab	4
ET A101/L	Basic Electronics, DC Physics + Lab	4
ET A175	Technical Introduction to Microcomputers	3
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Second Year Fall		
ENGL A212	Technical Writing	3
CHEM A103/L	Survey of Chemistry	4
COMM A111	Fundamentals of Oral Communication	3
ET A240	Application of Integrated Circuits	3
ET A102/L	Basic Electronics, AC Physics + Lab	4
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Second Year Spring		
PHYS A115/L	Physical Science + Lab	4
CS A109	Computer Programming: (Languages vary)	3
ET A241	Microcomputer Interfacing	3
Tech. Elective	Tech. Elective	3
Tech. Elective	Tech. Elective	2
		15

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