

SAN DIEGO CITY COLLEGE
ASSOCIATE of SCIENCE DEGREE
ELECTRONICS (ELECTRONIC MICROPROCESSOR/MICROCONTROLLER DESIGN OPTION)
As of 5 June 2008

<p>DEGREE OBJECTIVE—The purpose of this degree is to obtain proficiency in Electronics (Electronic Microprocessor/Microcontroller Design Option). Military students may receive credit for some degree requirements from prior military training.</p> <p>ACADEMIC RESIDENCY— Students are required to take a minimum of 60 semester hours for degree completion, with a minimum of 12 semester hours (SH) taken as an enrolled student of San Diego City College through on site or distance education (DE).</p>	<p>Point Of Contact: Mr. Darrell Himmelspach</p> <p>dhimmels@sdccd.edu</p>
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DEGREE REQUIREMENTS SUMMARY

REQUIREMENT	SEMESTER HOURS	SOC COURSE	NAVY RATE	SERVICE SCHOOL	TESTS CLEP/DSST/IB/AP	ATTENDANCE OPTION ONLINE
<p>Core requirements-Need 38.5 hours of credit May be satisfied by ACE credit recommendations for military training and experience in the area of Electronics (Electronic Microprocessor/Microcontroller Design Option). If needed, military credit may be augmented by credits earned from an accredited institution of higher learning in a related field:</p>	38.5					
ELDT 123 & 123L Introduction to Digital Circuits & Lab	4	ET005A				
ELDT 124 & 124L Basic DC/AC Electronics & Lab	5	ET013A				
ELDT 125 & 125L DC/AC Circuit Analysis with Pspice & Lab	5	ET021A				
ELDT 126 & 126L Intro to Programming with C & C++ & Lab	4	CS027A				
ELDT 143 & 143L Semiconductor Devices & Lab	4.5	ET003A				
ELDT 144 & 144L OP-AMPS, Sensors & Computers & Lab	4.5	ET004A				
In addition, Complete						
ELDT 224 & 224L Microprocessor Design & Laboratory	4.5	ET013A				
ELDT 230 & 230L Advanced Computer Design & Laboratory	4					
ELDT 231 Advanced System Interfacing	3					

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Total Units	38.5					
GENERAL EDUCATION TOTAL OF 18 CREDITS AS OUTLINED BELOW: More than one course if offered in the six areas below. Visit our catalog website for a list of courses to choose from. www.communitycollege.net/catalogs/city/	18					
English Composition	3				X	X
Communication & Analytical Thinking	3				X	X
Natural Sciences	3				X	X
Humanities	3				X	X
Social & Behavioral Sciences	3				X	X
Any additional General Education coursework	0-3					
DISTRICT REQUIREMENTS- Some courses selected to meet these requirements may also be used to meet general education requirements	3-12					
Competence in Reading & Written Expression <i>May also meet general education requirement in English Composition</i>	3				X	X
Competence in Math <i>May also meet general education requirement in Communication and Analytical Thinking</i>	3				X	X
American Institutions/California Government <i>3 units may also meet general education requirements</i>	3-6				X	X
Electives <i>May be satisfied by Military credit, various CLEP and DSST exams, previous college credit, or any San Diego City College courses.</i>	0-5		X	X	X	X
Physical Education <i>U.S. Veterans and active duty U.S. Military personnel may be granted two units of college credit to fulfill the physical education requirement if service has been continuous for at least six months. Copies of your DD-214, or DD-295 or SMART or AART Transcript must be on file in the Records</i>	2		X	X		

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<i>Office</i>						
Health Education <i>U.S. Veterans and active duty U.S. Military personnel may be granted two units of college credit to fulfill the health education requirement if service has been continuous for at least six months. Copies of your DD-214 or DD-295 or SMART or AART Transcript must be on file in the Records Office</i>	2		X	X		X
Multicultural Studies	0-3					X
Total Credits Required to Complete the Degree	60-63.5					

This roadmap is an advisory tool only, additional data and information may be obtained by contacting the City College Counseling Department at: <http://www.sdcity.edu/counseling/default.asp> or the on-line City College Course catalog at: www.communitycollege.net/catalogs/city/