

SAN DIEGO CITY COLLEGE
ASSOCIATE of SCIENCE DEGREE in ENGINEERING TECHNOLOGY MECOMTRONICS
As of 5 June 2008

DEGREE OBJECTIVE—The purpose of this degree is to obtain proficiency in Engineering Technology Mecomtronics. Military students may receive credit for some degree requirements from prior military training.

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 on site or distance education (DE) San Diego Community College District student.

Point Of Contact:
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Articulation Officer
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DEGREE REQUIREMENTS SUMMARY

| REQUIREMENT | | Semester Hours | SOC COURSE | NAVY RATE | SERVICE SCHOOL | TESTS CLEP/DSST/IB/AP | ATTENDANCE OPTION ONLINE |
|---|--|----------------|------------|-----------|----------------|-----------------------|--------------------------|
| Core requirements-Need 52 hours of credit May be satisfied by ACE credit recommendations for military training and experience in the area of Engineering Technology Mecomtronics. If needed, military credit may be augmented by credits earned from an accredited institution of higher learning in a related field: | | 52 | | | | | |
| MCTR 102A | DC Circuits | 3 | | | | | |
| ENGL 101 | Reading and Composition | 3 | EN023A | | | X | X |
| MATH 181 | Mecomtronics College Algebra & Trigonometry I | 3 | | | | | |
| MCTR 90 | Science for Technical Applications | 3 | | | | | |
| MCTR 103A | AC Circuits | 3 | | | | | |
| MCTR 104A | Applied C Programming for Technology | 3 | | | | | |
| MATH 182 | Mecomtronics College Algebra & Trigonometry II | 3 | | | | | |
| MCTR 120A | Basic Physics for Technical Applications I | 4 | | | | | |
| MCTR 201A | Electronic Devices and Circuits | 3 | | | | | |
| MCTR 202A | Digital Electronics | 3 | | | | | |
| ENGL 205 | Critical Thinking & Intermediate Composition | 3 | EN025A | | | | X |
| MATH 183 | Mecomtronics Calculus I | 3 | | | | | |
| MCTR 120B | Basic Physics for Technical Applications II | 4 | | | | | |
| MCTR 204A | Industrial Electronics | 4 | | | | | |
| MATH 184 | Mecomtronics Calculus II | 3 | | | | | |
| MCTR 120C | Basic Physics for Technical Applications III | 4 | | | | | |

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| 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 <i>Requirement fulfilled by ENGL 101</i> | 0-(3) | EN023A | | | X | X |
| Communication & Analytical Thinking <i>Requirement fulfilled by MATH 181</i> <i>Requirement fulfilled by MATH 184</i> | 0-(6) | | | | 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- | 3-12 | | | | | |
| Some courses selected to meet these requirements may also be used to meet general education requirements | | | | | | |
| 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 | 60-77 | | | | | |

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/