

**Developmental Studies Courses**  
(no credits awarded for these courses)

Put a check in the box to the left of those Developmental Courses which are needed. The blank is for indicating the semester in which you plan to take the course.

- \_\_\_\_\_ ESL 12 English as a Second Language: Composition I
- \_\_\_\_\_ ESL 13 English as a Second Language: Composition I
- \_\_\_\_\_ ENG 1 Preparing for College Writing I
- \_\_\_\_\_ ENG 3 Preparing for College Writing II
- \_\_\_\_\_ ENG 4 Reading Improvement I
- \_\_\_\_\_ ENG 5 Reading Improvement II
- \_\_\_\_\_ NAS 2 Foundations of Life Science
- \_\_\_\_\_ MTH 2 Arithmetic
- \_\_\_\_\_ BSK 6 Pre-Algebra
- \_\_\_\_\_ BSK 8 Algebra 1A
- \_\_\_\_\_ BSK 9 Algebra 1B
- \_\_\_\_\_ MTH 4 Algebra II
- \_\_\_\_\_ Other \_\_\_\_\_

# ELECTRONICS and COMPUTER TECHNOLOGY

## Associate of Applied Science

**981**

(NOT designed as a Transfer Program)

**Bob Miller, Dean**  
Business and Technologies Division  
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\_\_\_\_\_  
Student's Name (print)

\_\_\_\_\_  
Empl ID Number

**Admission Requirements:** Admission to the College. There are no additional admission requirements for this program.

**Admission Process:** Student must select Electronics and Computer Technology AAS as his/her program of study on the College's Web application. If currently enrolled in a program of study student is required to meet with a counselor to change his/her curriculum of study.

Students are strongly encouraged to meet with the assigned faculty advisor or a counselor prior to selecting first semester courses. In subsequent semesters students should consult with the assigned faculty advisor prior to course enrollment.

### First Year

Fall Semester	Credits	Planned	Completed	Spring Semester	Credits	Planned	Completed
ENG 111 College Composition I	3	_____	_____	ENG 112 College Composition II	3	_____	_____
ETR 113 DC and AC Fundamentals I	4	_____	_____	HLT/PED Health or Physical Ed Elective	2	_____	_____
CSC 110 Introduction to Computing <sup>1</sup>	3	_____	_____	ETR 280 Intro to Digital Logic Circuits and Computers	4	_____	_____
MTH 115 Technical Mathematics I <sup>2</sup>	3	_____	_____	ETR 203 Electronic Devices I	4	_____	_____
_____ Social Science Elective*	3	_____	_____	_____ Technical Elective <sup>3</sup>	3-4	_____	_____
SDV _____ Student Orientation	1	_____	_____				
<b>Total Credits</b>	<b>17</b>			<b>Total Credits</b>	<b>16-17</b>		

### Second Year

Fall Semester	Credits	Planned	Completed	Spring Semester	Credits	Planned	Completed
ETR 164 Upgrading & Maintaining PCs	3	_____	_____	_____ Technical Elective <sup>3</sup> /Internship	3-4	_____	_____
ETR 204 Electronic Devices II	4	_____	_____	ETR 241 Electronic Communications I	3	_____	_____
ETR 263 Microprocessor Applications	4	_____	_____	_____ Humanities Elective*	3	_____	_____
_____ Technical Elective <sup>3</sup>	3-4	_____	_____	ETR 149 PC Repair	3	_____	_____
_____ Social Science Elective*	3	_____	_____	ETR 298 Seminar and Project (Capstone)	3	_____	_____
<b>Total Credits</b>	<b>17-18</b>			<b>Total Credits</b>	<b>15-16</b>		

**Total Minimum Credits: 65.**

<sup>1</sup>To take any course in which you use a computer, you should be able to type 20 words per minute and be proficient using a mouse or have successfully completed AST 117 or equivalent.

<sup>2</sup>Students may substitute a higher-level math course to include: MTH 163, MTH 164, or MTH 173.

<sup>3</sup>**APPROVED TECHNICAL ELECTIVES:**

**Electronics**

ETR 150 Machine Control Using Relay and Programmable Logic

**Engineering**

EGR 115 Engineering Graphics

EGR 251/255 Basic Electrical Circuits I and Lab

**Operating Systems/Networking**

ITN 101 Introduction to Network Concepts (Network+)

ITN 106 Microcomputer Operating Systems

ITN 120 Wireless—Network Administration

ITN 151 Introductory Routing and Switching – Cisco

ITN 260 Network Security Basics (Security+)

**Programming**

ITP 120 JAVA Programming I

ITP 132 C++ Programming I (or EGR 126)

**Mathematics**

MTH 163 Precalculus I

MTH 164 Precalculus II

MTH 173 Calculus with Analytical Geometry I

**\*APPROVED ELECTIVES** (*The most current version of the Approved Electives list is the one found on the college Web site immediately preceding the program curricular sheets in the College catalog.*)

Unless otherwise specifically indicated on the curricular sheet, the following electives will meet the requirements for PVCC associate degrees for the category of courses listed.

**Approved Humanities Course Electives** [Revisions effective 5/16/09. Students enrolled prior to 5/16/09 (without a lapse in enrollment) can use the list in effect when they enrolled.]

**ART** 100, ART 101, ART 102, ART 121, ART 122, ART 125, ART 131, ART 132, ART 153, ART 154, ART 216, ART 221, ART 222, ART 231, ART 232, ART 235, ART 236, ART 241, ART 242, ART 243, ART 244, ART 253, ART 254, ART 259, ART 271, ART 272

Any **ASL** 100 or 200 series

**CST** 130, CST 131, CST 132, CST 141, CST 142, CST 229, CST 250

**DAN** 200, DAN 210

**ENG** 150, ENG 211, ENG 212, ENG 237, ENG 241, ENG 242, ENG 243, ENG 244, ENG 251, ENG 252, ENG 253, ENG 254, ENG 255, ENG 261, ENG 262, ENG 271, ENG 272, ENG 273, ENG 274, ENG 276

Any **FRE** 100<sup>†</sup> or 200 series

Any **GER** 100<sup>†</sup> or 200 series

Any **GRE** 100<sup>†</sup> or 200 series

**HUM** 201, HUM 202, HUM 241, HUM 242, HUM 259

Any **ITA** 100<sup>†</sup> or 200 series

Any **JPN** 100<sup>†</sup> or 200 series

Any **LAT** 100<sup>†</sup> or 200 series

**MUS** 121, MUS 122, MUS 127, MUS 221, MUS 222

**PHI** 101, PHI 102, PHI 111, PHI 200, PHI 220, PHI 227, PHI 260, PHI 266, PHI 276

**REL** 200, REL 210, REL 215, REL 216, REL 230, REL 233, REL 237, REL 240, REL 246

Any **RUS** 100<sup>†</sup> or 200 series

Any **SPA** 100<sup>†</sup> or 200 series

<sup>†</sup> 100 level foreign language courses may NOT be used to satisfy the humanities graduation requirement in programs where only one humanities course is required. In programs with two humanities courses, only one 100 level foreign language course may be used to satisfy the humanities graduation requirement.

**Approved Social Science Course Electives**

**ECO** 201, ECO 202

**GEO** 200, GEO 210, GEO 220

**HIS** 101, HIS 102, HIS 111, HIS 112, HIS 121, HIS 122, HIS 155, HIS 211, HIS 241, HIS 242, HIS 253, HIS 254, HIS 270, HIS 277, HIS 281, HIS 282

**PLS** 120, PLS 135, PLS 211, PLS 212, PLS 241, PLS 242

**PSY** 200, PSY 215, PSY 230, PSY 235, PSY 236, PSY 237

**SOC** 200, SOC 215, SOC 266, SOC 268