

PVCC CURRICULUM SHEET 2021-2022

**Industrial Electronics Technology
 Specialization Mechanical Engineering Technology
 Associate of Applied Science**

Code: 981-04

NOT designed as a Transfer Program

Student Name: _____ Student ID Number: _____

REQUIRED COURSES	COURSE DESCRIPTION	CREDITS	SEMESTER TAKEN	GRADE
SDV 100	College Success Skills	1		
SAF 130	Industrial Safety – OSHA 10	1		
ETR 113	DC and AC Fundamentals I	4		
CAD 151	Engineering Drawing Fundamentals I	3		
MTH 131	Technical Mathematics ¹	3		
ETR 140	Introduction to Mechatronics	3		
ETR 156	Digital Circuits and Microprocessor Fundamentals	4		
IND 113	Materials and Processes in Manufacturing	3		
IND 250	Introduction to Basic Computer Integrated Manufacturing	3		
MEC 131	Mechanics I-Statics for Engineering Technology	3		
MEC 155	Mechanisms	3		
IND 251	Automated Manufacturing Systems I	3		
MEC 161	Basic Fluid Mechanics-Hydraulics/Pneumatics	3		
ETR 290	Internship	3		
MEC 210	Machine Design	3		
ELE 239	Programmable Controllers ³	3		
MEC 212	Machine Design II	4		
ETR 286	Principles and Applications of Robotics ³	3		
ENG 111	College Composition I	3		
ENG 112	College Composition II	3		
_____	Social Science Elective ²	3		
_____	Humanities Elective ²	3		

Total Minimum Credits to Complete the A.A.S. Degree in Industrial Electronics Technology-Specialization in Mechanical Engineering Technology= 65

¹Students may substitute a higher-level math course.

²List of courses that fulfill the requirement for the Humanities and Social Science Elective can be found on the back of this sheet. Introductory (101 or 102 level) foreign language courses will not meet the humanities elective requirement for this program.

³**Graduation Requirement:** 1. Students entering the Electronics and Computer Technology degree program are required to take one Writing Intensive Course, which has a prerequisite of ENG 111 and a co-requisite of ENG 112, in order to graduate. The Writing Intensive Course for this program is **ELE 239 or ETR 286**. Students who are awarded transfer academic credit for this course at another institution may fulfill the Writing Intensive Course (WIC) requirement for this degree programs by completing another Writing Intensive Course (WIC). 2. Beginning in Fall 2020, students in all degree programs are required to take at least one Civic Engagement course to graduate.

Approved Humanities Course Electives

ART 100, ART 101, ART 102, ART 109, ART 121, ART 122, ART 125, ART 131, ART 132, ART 138, ART 153, ART 154, ART 231, ART 232, ART 235, ART 236, ART 241, ART 242, ART 271, ART 272

ASL* 101, ASL 102, ASL 201, ASL 202

CST 131, CST 132, CST 141, CST 250

ENG 211, ENG 241, ENG 242, ENG 243, ENG 244, ENG 246, ENG 250, ENG 251, ENG 252, ENG 253, ENG 254, ENG 255

FRE* 101, FRE 102, FRE 201, FRE 202

GER* 101, GER 102, GER 201, GER 202

HUM 201, HUM 202, HUM 259

JPN* 101, JPN 102, JPN 201, JPN 202

MUS 121, MUS 122, MUS 225

PHI 100, PHI 220, PHI 227

REL 200, REL 210, REL 215, REL 216, REL 230, REL 233, REL 237

SPA* 101, SPA 102, SPA 201, SPA 202

* 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 Mathematics Course Electives

MTH 154, MTH 155, MTH 161, MTH 162, MTH 165, MTH 167, MTH 245, MTH 261, MTH 263, MTH 264, MTH 265, MTH 266, MTH 267, MTH 288

Approved Social Science Course Electives

ECO 201, ECO 202

GEO 210

HIS 101, HIS 102, HIS 111, HIS 112, HIS 121, HIS 122, HIS 127, HIS 141, HIS 142

PLS 135, PLS 211, PLS 212, PLS 215, PLS 216, PLS 225, PLS 241

PSY 200, PSY 215, PSY 230, PSY 235, PSY 270

SOC 200, SOC 210, SOC 215, SOC 252, SOC 266, SOC 268

Note to students transferring credits TO PVCC: Transferred courses may fulfill a requirement under PVCC's approved electives (above). To receive credit for a specific PVCC elective from transferred courses, registrar's approval will be required.

Note to students transferring credits FROM PVCC TO FOUR-YEAR INSTITUTIONS: Although a course fulfills a requirement for a PVCC program, it is possible the same course will not fulfill a requirement at a four-year institution. Students who plan to transfer need to be aware of the four-year institution's requirements.

Note: Students may petition the appropriate dean to substitute a course not listed on this list.