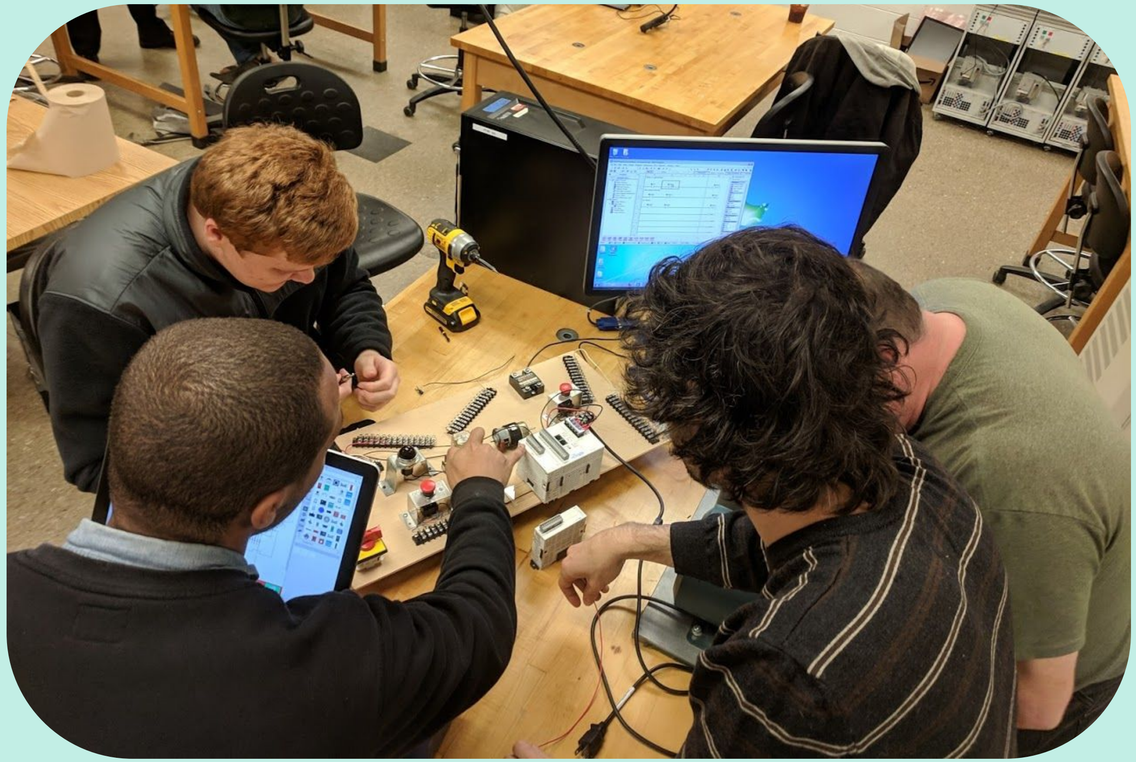
Industrial Electronics Technology

Advisory Board

2018-2019



Industrial Electronics Technology

Welcome

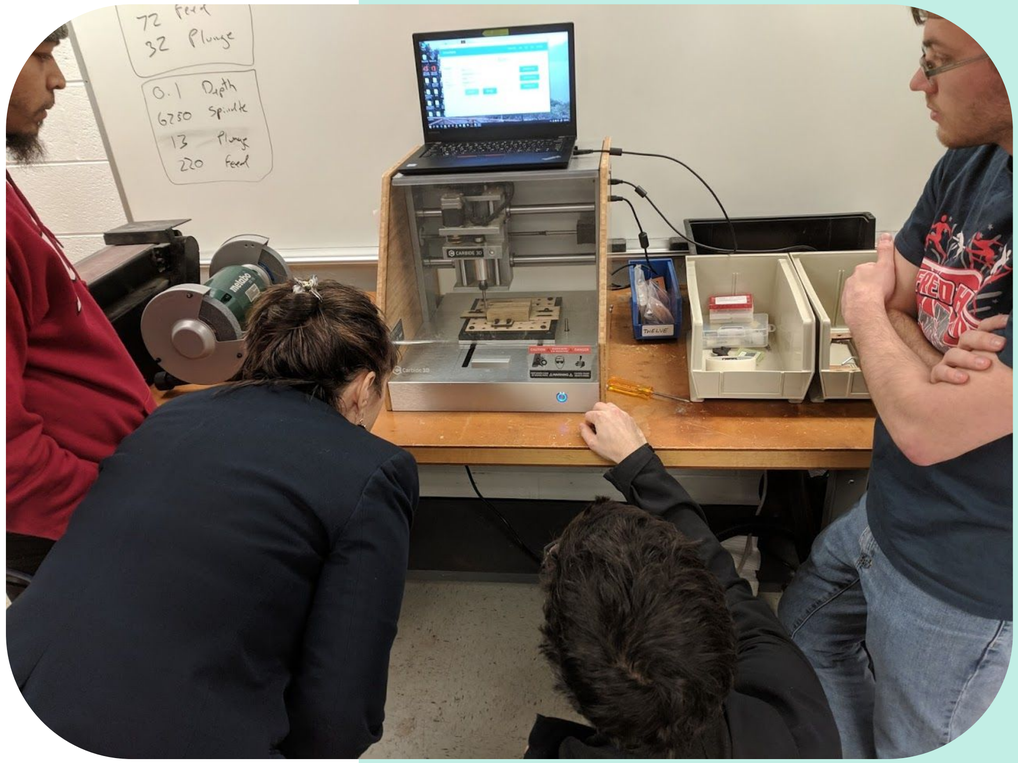
Industrial Electronics Technology

Program Updates

Curriculum & Classes

2018-2019

- Current degree status
  - https://www.pvcc.edu/programs/industrial
- Fall/Spring Courses, Adjunct Faculty, Site/Online
- Course Outcomes, Internships, Jobs, Certifications



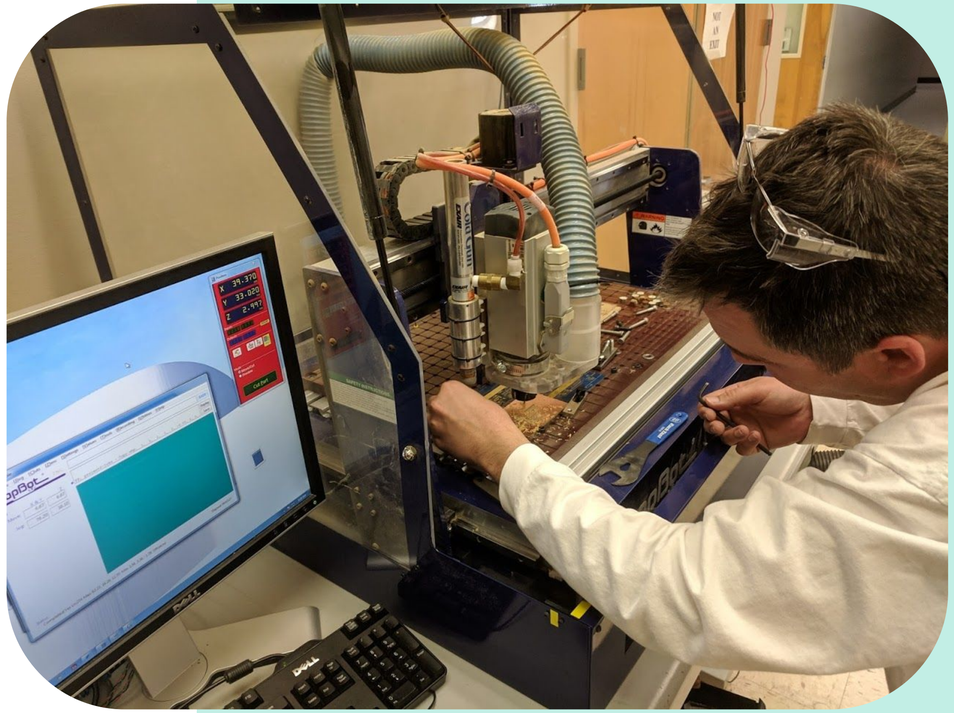
DEVELOPMENTAL COURSES (IF APPLICABLE)	REQUIRED COURSES	COURSE DESCRIPTION	CREDITS	PLAN TO TAKE	GRADE
	IND 103	Industrial Methods	1		
	SDV 100	Orientation	1		
	SAF 130	Industrial Safety – OSHA 10	1		
	ENG 111	College Composition I	3		
	ENG 112	College Composition II	3		
	ETR 113	DC and AC Fundamentals I	4		
	CAD 151	Engineering Drawing Fundamentals I	3		
	ETR 156	Digital Circuits and Microprocessor Fundamentals	4		
	MEC 155	Mechanisms	3		
	MEC 161	Basic Fluid Mechanics-Hydraulics/Pneumatics	3		
	ETR 203	Electronic Devices I [3]	4		
	ETR 140	Introduction to Mechatronics	3		
	ETR 237	Industrial Electronics I	3		
	ETR 238	Industrial Electronics II	3		
	ETR 241	Electronic Communications I	3		
	ELE 239	Programmable Controllers	3		
	MTH 115	Technical Mathematics I [1]	3		
	___ ___	Social Science Elective [2]	3		
	IND 250	Introduction to Basic Computer Integrated Manufacturing	3		
	IND 251	Automated Manufacturing Systems I	3		
	IND 113	Materials and Processes in Manufacturing	3		
	ETR 290	Internship	3		
	___ ___	Humanities Elective [2]	3		

Total Minimum Credits to Complete the A.A.S. Degree in Electronics and Computer Technology = 66

[1]Students may substitute a higher-level math course to include MTH 161, 167, or 263.

Certification List

2018-2019

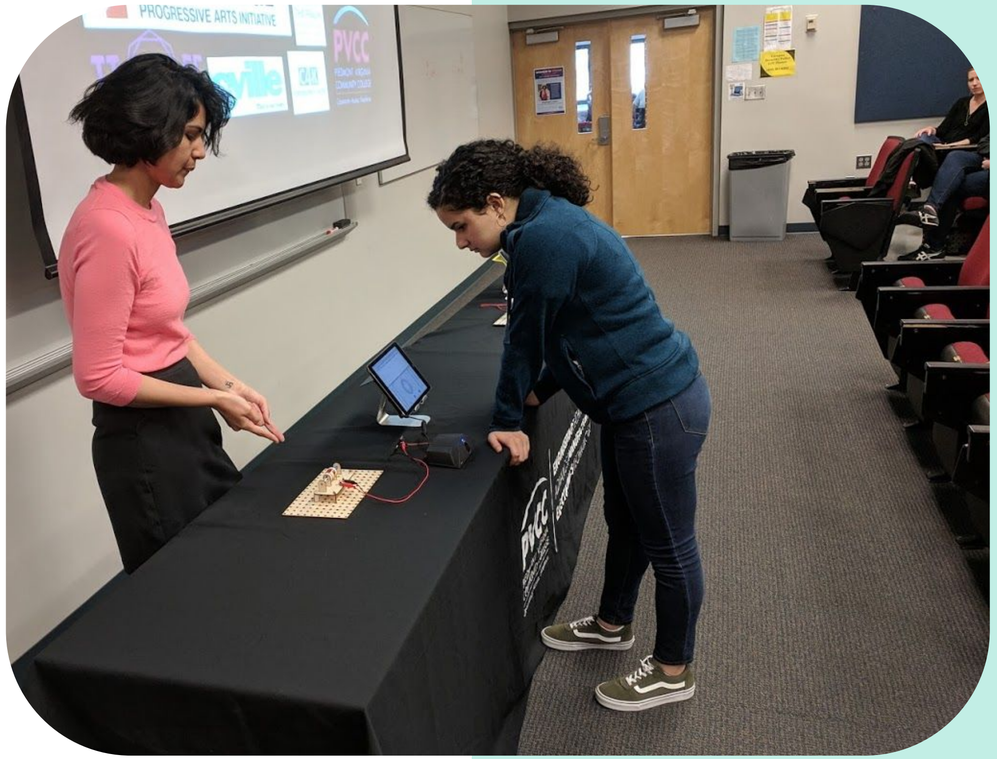


- Autodesk Fusion 360 Level I – CAD151
- IPC JST-001 Soldering – ETR113, ETR156, ETR238
- MT1 Manufacturing Certificate – IND113, MEC161, ETR113
- Siemens Mechatronics Certificate – Result of AAS Degree Coursework
- Comptia A+ Hardware – ETR149
- ETA Electronics Technician Level I-5 – Result of Completion of ETR Coursework

NSF & G3

2018-2019

- NSF ATE Last Year
  - https://www.pvcc.edu/technology
- G3
  - Ken Welborn, Coordinator
- Events, Outreach, Community



Labs & Equipment

2018-2019

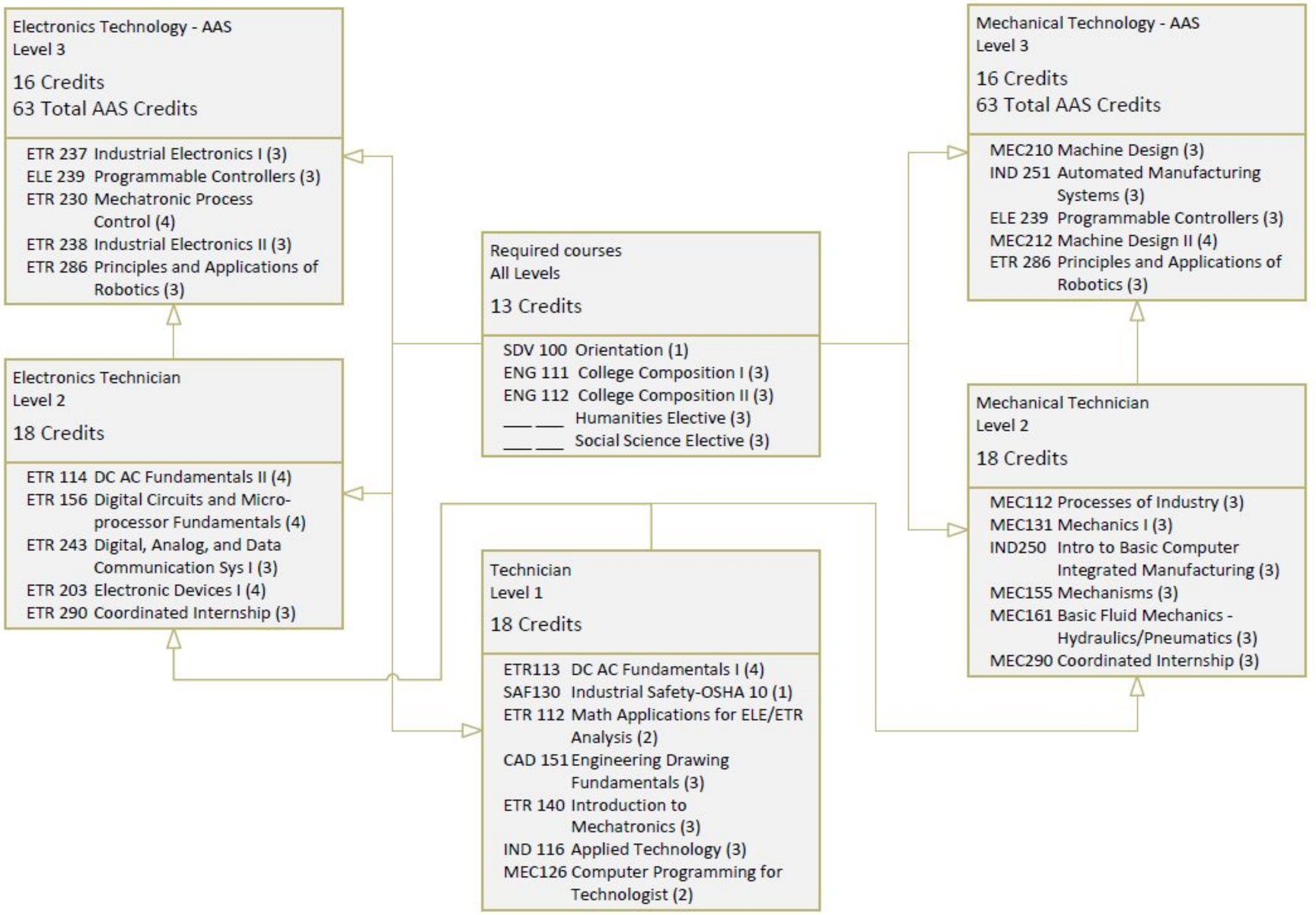
- Moving!
- More CNC/CAM
- Advanced Manufacturing

Future Plans in Motion!

2018-2019

- New Building
- High School Enrollment
- Curriculum Update

Advanced Manufacturing
Draft G3 Curriculum



Industrial Electronics Technology

Community Collaboration

Overall

2018-2019

- General concerns and needs
- How can we best serve you?
- How can we connect easier?

Certs & Skills for You

2018-2019

- What will better prepare your workforce?
- Certifications?
- Skills? Equipment? Software?

Visits & Internships

2018-2019

- Industry Visit, team/class
- Facility course offerings?
- Internships

Industrial Electronics Technology

Upcoming!

Upcoming Events

2018-2019

- Manufacturing Day 2020
- Curriculum Update Fall 2021
- Katie - schedule visit!

Industrial Electronics Technology

Thank you!

Get Skilled, Get a Job, Give Back

Program Information

G3 Background

- State funded community college education for students enrolled in a high demand, regional workforce pathway
- All ages (not just recent high school graduates)
- Part-time and full-time (minimum 6 credits a semester)
- Each pathways must be endorsed by regional business
- Maintain a GPA of 2.0
- Level 1 in 1 year, Level 2 in 2 years, Level 3 in 3 years

G3 Levels

Level 1 – Core Competencies

- 16 - 20 credit hours - Career Studies Certificate (stackable to AAS)
- FastForward courses may be integrated into Career Studies Certificates
- Embedded industry certifications
- Employment outcome – entry-level position in targeted industry sector

Level 2 – Operational Skills

- 16 - 20 credit hours - Career Studies Certificate
- Employment outcome – technician-level position in targeted industry sector

Level 3 – Advanced Technical Proficiency

- 28 - 34 credit hours after Level 1 and 2 completion - Associate of Applied Science (60 - 66 credit hours total)
- Employment outcome – technologist-level position in targeted industry sector

Guidance from Regional Industry

- Convene regional advisory committees
  - Key employers
  - Workforce development boards
  - Economic development agencies
  - Trade associations
  - K-12
- Engage regional industry stakeholders
- Assess industry credentials to determine credit for prior learning, if applicable
- Convene employer summits to secure employer endorsements and obtain commitments to recruit G3 graduates for open positions