Wireless and Data Communications
(EET Option)

Radio frequency, microwave, cellular, commercial broadcast – these represent a sample of the communications fields explored as part of PCC Sylvania's **Wireless and Data Communications Engineering Technology** program. Sound interesting? If so, consider this the beginning of your journey to an exciting career in a burgeoning industry!

Graduates of this program find work as technicians in manufacturing and in service / repair of a variety of finely tuned communications equipment in the fields mentioned above and others – like **satellite, radar** and **data applications**. They also can assist engineers with designing wireless and data communications equipment.

The program is an option within **Electronic Engineering Technology (EET)** at the Sylvania campus of Portland Community College for students seeking an Associate of Applied Science (AAS) degree. Pre-requisites for the Wireless and Data Communications option include placement in MTH 95 and WR 121.

Those interested in continuing their studies can fully transfer to the Electronics Engineering Technology accredited Bachelor of Science program at the Oregon Institute of Technology. Many courses transfer to other four-year BSEET programs, as well.

Doppler weather radar at the University of Oklahoma

For more information contact:
Sanda Williams
Department Chair
Electronic Engineering Technology

503-977-4527
www.pcc.edu
http://www.pcc.edu/programs/electronic-engineering/

Wireless and Data Communication Engineering Technology – EET Option

2-Year A.A.S. Degree

Program Prerequisites: Placement in MTH 111and completion of WR 121.
Basic computer skills in the Windows™ operating system, email and internet research skills, word processing and spreadsheets are required. All students must have an advising interview with an EET advisor.

Total credits required: 98

EET Department: Sylvania, ST 208; email: sanda.williams@pcc.edu
Engineering office phone 503.977.4159; FAX: 503.977.4859; http://www.pcc.edu/programs/electronic-engineering/

First Term

EET 101	Intro to Electronic Tech	1
EET 111	Electric Circuit Analysis I	5
EET 121	Digital Systems I	3
MTH 111B or C	College Algebra	5
General Ed:	Social Science	3
	Total:	**17**

Second Term

EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	4
[1]EET 188	Industrial Safety	1
MTH 112	Elementary Functions	5
	Total:	**15**

Third Term

EET 113	Electrical Power	5
EET 123	Digital Systems III	4
EET 178	PC Architecture for Tech	4
[2]CIS 133U/ CS 161	Intro to C or Computer Science I	4
	Total:	**17**

Fourth Term

EET 221	Semiconductor Devices	5
EET 241	Microcomputer Systems	4
[3]MTH 243	Statistics	4
General Ed:	Arts and Letters	3
	Total:	**16**

Fifth Term

EET 222	Op-Amp Circuits	5
CIS 188	Wireless	4
EET 242	Microcontroller Systems	4
EET 254	Seminar	1
CIS 179	Data Communication I	4
	Total:	**18**

Sixth Term

EET 223	RF Communications Circuits	5
EET 256	Project Lab or	2
EET 280A	Co-Op: EET	
CIS 189	Wireless Security	4
CIS 278	Data Communication II	4
	Total:	**15**

[1]OSHA industrial safety training can substitute
[2]CS 161 is required by OIT
[3]MTH 251/252 can substitute

Start in the fall (day) or in the winter (evening). Third term EET classes are offered in the summer as well. Check with the math department for compressed summer classes. EET program and all its options fully transfer to Oregon Institute of Technology (OIT) in the 4-year BSEET degree - check with the dept. for details or the PCC/OIT agreement on our website. For prior learning credit, contact Sanda Williams, department chair, at sanda.williams@pcc.edu. To receive formal credit, students must provide official transcripts, complete the Course Substitution form, have it signed by the dept. chair, and sent to the Registrar. Students may have up to 45 Nontraditional credits - please check with the department for details.