



## ELECTRONICS TECHNOLOGIES EET, IET, CET, REM, and PCT Frequently Asked Questions 2011/2012

**If I have questions about careers in the electronics field or need help with my class schedule, who can I talk with?** The Electronics staff looks forward to helping you in your career pursuit. The Electronics department uses email, my game plan, and face to face meetings to help advise students. If you have a question, just send an email or call one of the following Electronics faculty::

Charles Sekafetz	Program Chair	<a href="mailto:chuck.sekafetz@chemeketa.edu">chuck.sekafetz@chemeketa.edu</a>	503.399.6254
Eugene Moore	Electronics Instructor	<a href="mailto:gene.moore29@chemeketa.edu">gene.moore29@chemeketa.edu</a>	503.399.6506
Roger White	Electronics Instructor	<a href="mailto:roger.white@chemeketa.edu">roger.white@chemeketa.edu</a>	503.399.5068

During the summer and early fall, group advising sessions are also scheduled. Check the fall term schedule for times and dates. In addition, you can email and schedule an appointment.

**How do I begin the registration process?** If you need financial aid information, call 503.399.5018. Then call 503.399.5120 and arrange to take Chemeketa's placement test. Be sure to **take the algebra math placement**, not the pre-algebra placement. The remaining steps in the process will be available after you take the placement test or from Counseling (503.399.5120).

**Can I tour the Electronics Laboratory?** Absolutely! Our labs are open, so feel free to drop by any time and talk with students or faculty. You can also call Simone Hughes at 503.399.5074 and arrange a more formal (or informal) tour. When you visit be sure and look at our collection of student's business cards posted just inside the main doors.

### **Do I have to know anything about electronics before taking the Electronics program?**

Absolutely not. Success in the Electronics program only requires that you are committed and have reasonable writing, reading, math, computer literacy and study skills. The placement test will help you assess your current skill levels. If you need preparatory classes, counseling (503.399.5120) will help you select classes that will insure your success.

**I am worried that Electronics will be too difficult. What classes can I take to see if I would like and do well in the Electronics program?** Most people do well in the Electronics program if they are adequately prepared - the placement test will help you determine this. You can also take the survey course, ELT100 Electronics for Non-Majors, to help you decide. Another option is to take the first electronics class in the Electronics program, ELT131 Electronics Concepts I.

**Can I take Electronics classes in the evening or online?** We offer selected courses at night during the Fall term as well as some in an online format. Many of the support classes are offered in the evening and online.

**If I already have a Masters, Bachelors or Associate degree, can I transfer in some of my course work?** Yes, it is common to have people with other college degrees or classes transfer into the Electronics program. If you have other college courses or training that you think might cover similar concepts, schedule a meeting with an electronics advisor (call 503.399.6254) to have your courses evaluated. Bring an unofficial copy of your transcripts to the meeting.

**When does the Electronics program accept new students?** The Electronics program accepts students any term; however, the technical courses, which are sequential, only begin once a year during the fall. Some specialized classes are only offered during the summer term. **Make sure you complete the registration process and register as early as possible because the number of beginning technical classes are limited.**

**How much does the Electronics program cost and when does next term start?** The college catalog lists approximate costs and starting dates. You can also call Counseling, 503.399.5120.

**Can I take more than two years to complete the Electronics program?** You may complete the Electronics program in two or more years. In fact, if you must work more than 20 hours per week, you should plan on taking three or more years to complete the program. In general, during the first year, of a three year program you will take most of the support classes listed in the course catalog plus a few technology classes. If you schedule your classes correctly, you will be a full-time student during this time (important if you are on financial aid). Have an electronics advisors review your proposed schedule each term to avoid problem such as not having the correct prerequisites.

**If I would like to start taking classes before Fall term, what classes should I take?** Most important, complete any preparatory courses, as necessary. Then take as many support classes as you can. The more support classes you complete, the easier your workload when you start taking the technology classes. Depending on which Electronics program you decide to enroll in you might want to take one or more of these support courses: WR121, WR227, SP111, FE205B, PSY104, DRF101, MTH111 (or MTH081), MTH112 (or MTH082), MTH243, PH201(or PH121), PH202(or PH122), NET123, MT110, or ELT121. Chemeketa's catalog or web page ([www.chemeketa.edu](http://www.chemeketa.edu)) has a list of required classes for each program.

**Is it desirable to have a working knowledge of common computer applications before taking any of the electronics classes?** The Electronics department assumes that all Electronics students are computer literate before they take any of the electronics classes.

**What does it mean to be computer literate?** It means that you can type (about 20 wpm) and are some what familiar with Windows, a word processor, and a spreadsheet. In general, computer literacy means that you have used a computer and are not afraid of it. If you are not computer literate, you will want to take CS101 Introduction to Microcomputers.

**Do I need a computer for the Electronics program?** You must have your own computer and it must be Intel compatible. An Internet connection is also required. If you do not have one at the time you start, our lab is outfitted with computers that you may use during normal operating hours.

**What type of computer should I purchase?** You will need a current Windows-compatible computer. The Electronics department recommends the following **minimum** configuration for entry in 2011 and 2012: Intel i5 Core, with a minimum speed of 2.4 GHz, minimum 4 GB of RAM, minimum 512MB video card, 120GB hard drive, LCD 17" monitor, CDRW, DVD, 3 USB ports, one 4GB Flash Drive, and Microsoft Office. Please see the computer recommendation paper for more detail. You will also need Internet access.

**Are there any videos that show the work environment and opportunities in the high-tech industry?** The high-tech industry is very diverse and it would be impossible to have videos on all the different opportunities. However, one of the fastest growing and largest segments of the high-tech industry is the semiconductor industry and they have provided us with three videos: Silicon Run (VTR2601), Silicon Run II (VTR 2602), and Discover A New World of Opportunity. You can view these in the Chemeketa Media Center (503.399.5045). They also have the Pathways to Technologies series which is a great set.

**What Electronics classes are offered in the summer?** Normally, the Electronics department offers no classes in the summer. However, the renewable energy courses will only be offered during the summer. These classes are each 2 weeks long, one after the other. Many of the support classes are also offered during the summer and are only 8 weeks long.

**How many hours per week should I work while attending college?** Normally, students who work and go to college do not work more than 20 hours per week. Most students have jobs in the evening or on the weekend thus making it easier to schedule classes. Students who work more than 20 hours per week, usually extend their program.

**Chemeketa's placement test has several math options. Which math test should I take?** Make sure you take the **Elementary Algebra** or higher test and **not** the **Numeric Skills** test. An advisor cannot help you select an appropriate math class unless you take the Elementary Algebra test or higher, therefore, take the Elementary Algebra test even if you think you will not do well. Even if you placed low, Chemeketa has classes that can get you ready to successfully enter and complete the Electronics program.

**Can I start taking classes while still in high school?** Some high schools have College Credit Now agreements with Chemeketa. These high schools have been certified by Chemeketa and can offer selected Chemeketa classes. Check with your high school advisor or call 503.399.3696, to see if your high school has one of these agreements.

**WE TRAIN THE PEOPLE WHO MAINTAIN THE FUTURE**