Interested in a career in medicine, one that is fulfilling and saves lives? If so, a career as a biomedical engineering technician could be for you!

As a valued member of any hospital, health care organization or medical equipment manufacturing company, biomedical engineering technicians maintain and repair medical technology – to ensure that patients receive the best possible care. Equipment testing and installing, as well as problem-solving, are among the many skills the position requires. Graduates also can assist engineers with the design of biomedical equipment.

PCC Sylvania offers Biomedical Engineering Technology as an option within the Electronic Engineering Technology (EET) program for students seeking an Associate of Applied Science (AAS) degree.

Prerequisites to begin first year EET classes for the Biomedical Engineering Technology option include placement in MTH 95 and WR 121. To begin second year classes for this option, additional courses are required: MP 111, BI 121 and BI 122.

With an expected labor shortage due to baby boomers retiring, the need for health care professionals of all types is expected to increase.

Salaries range from $41,350 to $47,736 for biomedical engineering technicians; those with more experience or advanced degrees can expect to earn more.

Graduates from the program 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.

For more information, contact Sanda Williams, department chair, Electronic Engineering Technology

503-977-4527
www.pcc.edu
http://www.pcc.edu/programs/electronic-engineering/
Biomedical Engineering Technology - EET Option
2-Year A.A.S. Degree

Program prerequisites: Placement in MTH 111 and completion of WR 121;
MP 111 Medical Terminology or any 3-4 credit medical terminology course
BI 121/122 Anatomy and Physiology I and II or BI 231/232/233 Anatomy Physiology I, II, III
Basic computer skills in the Windows\textsuperscript{TM} operating system, email and internet research skills,
word processing and spreadsheets are required.
All students must have an advising interview with an EET advisor.

Do not meet all these prerequisites but still want to start this option? You can start taking electronics classes (placement in math 111 and completion of WR 121) which are part of the BMET option and switch your major to Biomedical Engineering Technology later.

Total credits required: 102
Engineering office phone 503.977.4159; FAX: 503.977.4859; http://www.pcc.edu/programs/electronic-engineering/

First Term

\begin{itemize}
\item EET 101 Intro to Electronic Tech 1
\item EET 111 Electric Circuit Analysis I 5
\item General Ed: Social Sciences 3
\item EET 121 Digital Systems I 3
\item MTH 111B or C College Algebra 5
\end{itemize}

Total: 17

Second Term

\begin{itemize}
\item EET 112 Electric Circuit Analysis II 5
\item EET 122 Digital Systems II 4
\item EET 188 Industrial Safety 1
\item CIS 179 Data Comm Concepts I 4
\item MTH 112 Elementary Functions 5
\end{itemize}

Total: 19

Third Term

\begin{itemize}
\item EET 113 Electrical Power 5
\item EET 123 Digital Systems III 4
\item EET 178 PC Architecture for Techs 4
\item CIS 133U Intro to C or 4
\item CS 161 Computer Science I
\end{itemize}

Total: 17

Fourth Term

\begin{itemize}
\item EET 221 Semiconductor Devices 5
\item EET 241 Microcomputer Systems or 4
\item CIS 278 Data Comm Concepts II
\item EET 260 Biomedical Equipment I 4
\item General Ed: Arts & Letters 3
\end{itemize}

Total: 16

Fifth Term

\begin{itemize}
\item EET 222 Op - Amp Circuits 5
\item EET 242 Microcontroller Systems 4
\item EET 254 Seminar 1
\item EET 261 Biomedical Equipment II 4
\item EET 280C CE: BMET Practicum 4-11
\end{itemize}

Total: 25

Sixth Term

\begin{itemize}
\item EET 223 RF Communications Circuits 5
\item EET 272 Electronic Control Systems 3
\end{itemize}

Total: 8

\begin{itemize}
\item EET 280C Prerequisites: EET 260, EET 261. Day course only. Not Paid. Can be completed over two terms - winter, spring, summer, or fall terms. 11 credits required (330 hours)
\end{itemize}

\begin{itemize}
\item EET 188 Industrial safety training can substitute
\item CS 161 is required by OIT
\item EET 260 Prerequisites: MP 111, BI 122, EET 113, EET 123
\item EET 280C Prerequisites: EET 260, EET 261. Day course only. Not Paid. Can be completed over two terms - winter, spring, summer, or fall terms. 11 credits required (330 hours)
\end{itemize}

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.