



# PTE Pathway Program Plan

**School Name:** Canby High School

**Program Name:** Engineering Technology

This PTE Program of Study should serve as a guide, along with other career planning materials, for students as they continue on their career path. Courses listed within this Program of Study represent an ideal sequence of learning to meet each learner's educational and career area goals. All plans should meet high school graduation requirements as well as college entrance requirements.

<b>High School</b>	<b>9<sup>th</sup> Grade</b>	<b>10<sup>th</sup> Grade</b>	<b>11<sup>th</sup> Grade</b>																													
	<b>General Education Courses:</b> <ul style="list-style-type: none"> <li>▪ <b>English</b> English I</li> <li>▪ <b>Math</b> Algebra I or Geometry</li> <li>▪ <b>Science</b> Physical Science or Biology</li> <li>▪ <b>Soc. Studies</b> Geography / State History</li> <li>▪ <b>Other</b> PE, Health, Art, Foreign Language, or Computer Technology</li> </ul>	<b>General Education Courses:</b> <ul style="list-style-type: none"> <li>▪ <b>English</b> English II</li> <li>▪ <b>Math</b> Geometry or Algebra II</li> <li>▪ <b>Science</b> Biology I or Chemistry I</li> <li>▪ <b>Soc. Studies</b> World History</li> <li>▪ <b>Other</b> PE, Health, Art, Foreign Language, or Computer Technology</li> </ul>	<b>General Education Courses:</b> <ul style="list-style-type: none"> <li>▪ <b>English</b> English III</li> <li>▪ <b>Math</b> Algebra 2 or Integrated Math 3</li> <li>▪ <b>Science</b> Chemistry or Physics</li> <li>▪ <b>Soc. Studies</b> American History</li> <li>▪ <b>Other</b></li> </ul>																													
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**12<sup>th</sup> Grade**

**General Education Courses:**

- **English**      English 4
- **Math**         Math & Technology, Pre-Calc, or Integrated Math 3
- **Science**      Physics
- **Soc. Studies**   Economics & Government
- **Other**

**Foundational or Advanced PTE Courses:**

School Course #	Course Name	# of Credits	4-digit NCES Code
0453???	Microelectronics Theory and Systems	.5	1699
0462???	Advanced Microelectronics Technology	.5	1699

Instructor Name	TSPC License, PTE Endorsement or Highly Qualified Status
Mark Woodhead	Standard Technology Education

**Other Elective Courses:**

School Course #	Course Name	# of Credits
0452	Electronics Technology	.5
0795	Principles of Engineering	.5
0702	Engineering and Design	.5
0995-1	Manufacturing	.5
0997	Transportation	.5

**Career-Related Learning Experiences**

**Job Shadows:**

- Future Focus Class:
- Mock Interview
  - Career Fair
  - Skills Contest

**Internships/Mentorship:**

Through program area adviser

**Other Career-Related Experiences:**

Extended Applications in Engineering Technology program area

**Community College**

**Identify courses eligible for College Now credit**

College Name	College Course #	College Course Title
CCC	MTH111, 112	Pre-Calculus I & II
CCC	WR121, ENG104	Writing, English

**College/University**

**Identify potential college programs/university majors:**

- CCC, Associates degree**  
*Engineering Technology  
 Manufacturing Technology  
 Pre-Engineering  
 Computer-Aided Drafting  
 Computer Science*
- OSU, PSU, 4 year Engineering degree**

