The Semiconductor Devices training module contains nine circuit blocks pertaining to skills training in semiconductor circuits. After completion of the FACET programs in AC and DC Fundamentals and AC and DC Circuits and Analysis, students are ready to train on the semiconductor module.

Students in this program will be responsible for analyzing and troubleshooting the following circuits:

- Diodes and Half-wave Rectification
- Full-wave Rectification with Power Supply Filters
- Zener Diode Regulator
- Diode Waveshaping
- Voltage Doubler
- Transistor Junction
- PNP DC Bias
- Transistor Load Lines and Gain

This board is available in the following language variants:

- English variant: 91005-20
- French variant: 91005-21
- Spanish variant: 91005-22

**Optional Manual(s)**

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<tr>
<td>1</td>
<td>Semiconductor Fundamentals (Student Manual)</td>
<td>589694 (91564-P0)</td>
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<td>1</td>
<td>Semiconductor Fundamentals (Student Workbook)</td>
<td>580679 (91564-Q0)</td>
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<td>1</td>
<td>Semiconductor Fundamentals (Instructor Guide)</td>
<td>580681 (91564-R0)</td>
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The manuals Semiconductor Fundamentals, both the student manual and instructor guide, are also available in computer-based format.
Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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