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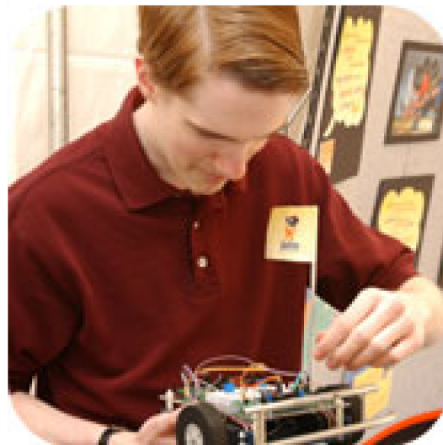
## School of Electrical Engineering and Computer Science

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# Educational Innovations



The School of Electrical Engineering and Computer Science (EECS) is making a fundamental change in the way we teach engineering concepts to students. We're innovating teaching and learning by energizing the curriculum with exciting, hands-on platforms for learning.® Our aim is to put the fun and excitement into EECS and thus retain and inspire interest among students in engineering. Unique to Oregon State and seed-funded by Tektronix, this program helps students understand how class content is interconnected. It also gives them hands on experience in applying theoretical concepts to their robots, turning theories into realities.

Beginning in the freshman year, students majoring in electrical or computer engineering create their own TekBot® and use it throughout their college career to help them learn engineering concepts. Each lab using the TekBot is aligned with (and directly connected to) the weekly lecture topics. As students move through the program and learn new concepts, they continue to add new capabilities to the TekBots and develop an understanding of how subject areas are interconnected.

**See how TekBots are integrated into the curriculum**

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