[ETH/Swiss Federal Institute of Technology](http://www.studyabroad.purdue.edu/programs/flyer.cfm?flyer=95&Duration=Spring%20Semester&AcademicSchoolCode=E&Undergraduate=true) - SA 20276

Probably not a good fit for BSCmpE students.

The courses listed below are only some of the possibilities. Students should conduct their own research to find courses that best match their interests and degree needs (see the link above) and then discuss them with Prof Gray.

Please schedule an appoint with Prof. Gray (stop by MSEE 140 or call 49-43390 to make an appointment) to discuss course selection as it pertains to your needs.

ETH Course Catalogue (pick proper term and language of instruction):

<http://www.vvz.ethz.ch/Vorlesungsverzeichnis/sucheLehrangebotPre.do?lang=en>

| **ETH course** | **Purdue course** |
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| 151-0854-00L Autonomous Mobile Robots | ECE 49595 Autonomous Mobile Robots (3 cr) [Use EE Adv Lab] |
| 151-0306-00L Visualization, Simulation and Interaction - Virtual Reality I | ECE 49595 Visualization, Simulation and Interaction - Virtual Reality I (2 cr) [Special content EE Adv Lab] |
| 227-0056-00L Semiconductor Devices (4 ECTS) | ECE 39595 Semiconductor Devices (3 credits) [Use in place of ECE 30500 as Adv. Selective] |
| 227-0124-00L Embedded Systems (6 ECTS) | ECE 39595 Embedded Systems (4 cr.) [Use in place of ECE 36200 as an Adv. Selective w Ad. Lab] |
| 227-0478-00L Acoustics II | ECE 49595 Acoustics II (3 PWL cr.) [EE Elective] |
| 227-0651-00L Applied Circuit and PCB Design | ECE 39595 Applied Circuit and PCB-Design [1PWL Cr. use as Adv. Lab |
| 351-0778-00L Discovering Management (3 ECTS) | ECE 19595 Discovering Management (2 cr.) [LL GenEd] |
| 363-0302-00L Leading Teams (3 ECTS) | ECE 19595 Leading Teams (2 cr.) [LL GenEd] |
| 363-0764-00L Project Management (2 ECTS) | ECE 19595 Project Management (1 cr.) [Complementary Elective] |
| 227-0120-00L Communication Networks (6 ECTS) | ECE 39595 Communication Networks (4 cr.) [Use as Comm. Area Adv. Selective w Adv. lab] |
| 151-0641-00L Introduction to Robotics and Mechatronics (4 ECTS) | ECE 49595 Introduction to Robotics and Mechatronics (3 cr.) [Use as EE Elective w Adv. Lab] |
| 252-0820-00L Case Studies from Practice (4 ECTS) | ECE 29595 Case Studies from IT Practice (2 cr.) [Use as Compl. Ele.] |
| Hearing and Speaking at B2 level (2 ECTS) | ECE 19595 German: B2 Level (1 cr.) [LL GenEd] |
| 252-0210-00L Compiler Design | ECE 49595 Complier Design [ 4PWL cr. use in place of ECE 46800] |
| 252-0211-00L Information Security | Ece 39595 Information Security use as CmpE elect (4 cr.) |
| 252-0374-00L Web Engineering | ECE 39595 Web Engineering use as CmpE elec (4 cr.) |
| 252-0216-00L Software Architecture & Engineering | ECE 39595 Software Architecture & Engineering use as CmpE Elec (4 cr.) |
| 252-0062-00L Operating Systems & Networks | ECE 46900 Operating Systems Engineering ( 4 cr.) |
| 363-0392-00L Strategic Management | ECE 39595 Strategic Management (1.5 cr) [Upper level gen. ed.] |
| 363-1077-00L Entrepreneurship | ECE 39595 Entrepreneurship (1.5 cr) [Upper level gen. ed.] |
| 252-3005-00L Intro to Natural Language Processing | ECE 39595 Intro to Natural Language Processing use as CmpE Elec (3 cr.) |
| 227-0111-00L Communications Electronics | ECE 39595 Communications Electronics use as CmpE elec ( 4 cr.) |
| Beginner's Intensive German | ECE 19595 Beginner's Intensive German (1 cr) [ lower level gen. ed.] |
| IK-DaF-A German for Beginners: Intensive Course for Exchange or Master Students | ECE 19595 German for Beginners: Intensive Course for Exchange or Master Students (1 Cr) {LL Gen. Ed.} |
| 227-0125-00L Optics and Photonics (6 ECTS) | ECE 39595 Optics and Photonics (3 PWL) [EE Elective] |
| 227-0122-00L Introduction to Electric Power Transmission (6 ECTS) | ECE 39595 Intro to Electric Power Transmission (3 PWL) [EE Elective] |
| 151-0206-00L Energy Systems and Power Engineering (4 ECTS) | ECE 39595 Energy Systems and Power Engineering (2 PWL) [EE elective]0764 |
| 252-0579-00L 3D Vision (4 ECTS) | ECE 39595 3D Vision (2 cr.) [EE Adv. Lab] |