[National University of Singapore](http://www.studyabroad.purdue.edu/programs/flyer.cfm?flyer=114&Duration=Spring%20Semester&AcademicSchoolCode=E&Undergraduate=true" \t "_blank) - SA 20261

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.

NUS Bulletin: <http://www.nus.edu.sg/registrar/nusbulletin/modulesearch.html>

| **NUS course** | **Purdue course** |
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| EE2011 Engineering Electromagnetics (4 credits) | ECE 39595 Engineering Electromagnetics (4 credits) [Use in place of ECE 31100] |
| EE2020 Digital Fundamentals (5 cr.) | ECE 29595 Digital Fundamentals (5 cr.) [Use in place of ECE 27000 – not recommended for CmpE students or those intending to take ECE 36200] |
| EE2021 Devices and Circuits (4 cr.) | ECE 29595 Devices and Circuits (4 cr.) [Use in place of ECE 25500] |
| EE2023 Signals and Systems (4 cr.) | ECE 39595 Signals and Systems (4 cr.) [Use in place of ECE 30100] |
| EE3204 Computer Communication Networks I (4 cr.) | ECE 39595 Computer Communication Networks I (4 cr.) [EE/CmpE Elective] |
| EE3104C Intro to RF and Microwave Sys & Circuits (4 cr.) | ECE 39595 Intro to RF and Microwave Sys & Circuits (4 cr.) [EE Elective with UL lab] |
| EE2025 Power Electronics (4 cr.) | ECE 39595 Power Electronics (4 cr.) [EE Elective with UL lab – precludes ECE 43300] |
| EE3131C Communication Systems (4 cr.) | ECE 49595 Communication Systems (4 cr.) [use in place of ECE 44000 as an Adv. Sel. w UL lab] |
| EE3206 Intro To Comp Vision & Image Processing (4 cr.) | ECE 49595 Intro To Comp Vision & Image Processing (4 cr.) [use in place of ECE 43800 as an Adv. Sel. w UL lab] |
| EE3302 Industrial Control Systems (4 cr.) | ECE 49595 Industrial Control Systems (4 cr.) [EE Elective w UL lab – should have already taken ECE 38200] |
| EE3331C Feedback Control Systems (4 cr.) | ECE 39595 Feedback Control Systems (4 cr.) [use in place of ECE 38200 as an Adv. Sel. w UL lab] |
| EE3431C Microelectronics Materials and Devices (4 cr.) | ECE 39595 Microelectronics Materials and Devices (4 cr.) [use in place of ECE 30500 as an Adv. Sel. w UL lab] |
| EE3408C Integrated Analog Design (4 cr.) | ECE 49595 Integrated Analog Design (4 cr.) [EE Elective w Adv. Lab] |
| CS4212 Compiler Design (4 cr.) | ECE 49595 Compiler Design (4 cr.) [Use in place of ECE 46800] |

| **NUS course** | **Purdue course** |
| --- | --- |
| EE3207E Computer Architecture (4 cr.) | ECE 49595 Computer Architecture (4 cr.) [Use in place of ECE 43700] |
| MA1506 Mathematics II (4 cr.) | ECE 29595 (4 cr.) [Use in place of MA 26200, but cannot be used as prereq for MA courses at PWL] |
| MA1101R Linear Algebra I (4 cr.) | ECE 29595 (4 cr.) [Use in place of MA 26500, but cannot be used as prereq for MA courses at PWL] |
| CS1231 Discrete Structures (4 cr.) | ECE 39595 (4 cr.) [Use in place of ECE 36900] |
| CS2107 Intro to Information Security | ECE 29595 Intro to Information Security [use as an EE elec] ( 4 cr.) |