**[Shanghai Jiao Tong University - SA 20137](https://www.studyabroad.purdue.edu/programs/flyer.cfm?flyer=295&SICountryCode=716&Duration=Spring%20Semester&AcademicSchoolCode=E)**

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.

| **SJTU course** | **Purdue course** |
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| Computer Security and Cryptography | ECE 39595 Computer Security and Cryptography (3 cr.) [Use as EE or CmpE Elective] |
| MA 208 Discrete Mathematics | ECE 39595 Discrete Mathematics (3) [Use in place of ECE 36900] |
| EE 321 Semiconductor Physics and Devices | ECE 39595 Semiconductor Physics and Devices (3) [Use in place of ECE 30500] |
| CS 337 Data Structures (A) | ECE 39595 Data structures (4) [Use in place of ECE 36800] |
| EE 303 Power Electronics, Applications and Design | ECE 49595 Power Electronics (3) [Use in place of ECE 43300] |
| CS499 Math Foundation in Computer Science | ECE 39595 Math Foundation in Computer Science (3 cr) [Use in place of ECE 36900] |
| CS359 Computer System Architecture | ECE 49595 Computer System Architecture (3 cr) [use in place of ECE 43700] |
| C1006 Elementary Chinese | ECE 19595 Elementary Chinese (4 cr) [LL gen. ed.] |
| 101 Chinese Language | CHNS 10100 Chinese Level I |
| C1222 Intercultural Teamwork | ECE 39595 Intercultural Teamwork (3 cr) [Complementary elective] |
| CL206 Introduction to Chinese Culture | ECE 19595 Introduction to Chinese Culture (3 cr) [LL gen. ed.] |
| AU310 Motion Control Systems | ECE 39595 Motion Control Systems (3 PWL) [Adv EE Selective in place of ECE 32100] |
| ME 345 Engineering Materials | ECE 29595 Engineering materials (3 cr.) [Use as Engineering Breadth; precludes MSE 23000] |
| AU336 Mobile Robotics | ECE 39595 Mobile Robotics (2 cr) [EE Elec w Adv Lab] |