

# Electrical & Computer Engineering

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## AUSTRALIA

## CHINA

## HONG KONG

## IRELAND

## JAPAN

## SWEDEN

## TURKEY

## UNITED KINGDOM

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### WHY SHOULD YOU STUDY ABROAD?

- Fulfill major, minor and GEP requirements that count toward your degree.
- Distinguish yourself in the workplace with **global competencies**.
- Build your increased independence and problem-solving techniques.
- Explore a new language or culture with a diverse group of people.

### PLAN AHEAD

- Well prepared students typically start a year in advance.
- Attend the Study Abroad Fair, typically held in late September.
- Make an appointment with your academic advisor.

### HOW TO APPLY

- Attend a general advising session hosted by the Study Abroad Office.
- Visit [studyabroad.ncsu.edu](http://studyabroad.ncsu.edu) for information and resources on:
  - Available Programs
  - Transfer Credit Database
  - Scholarships & Financial Aid
  - International Internship Opportunities

“My study abroad semester allowed me to learn the language, experience the Turkish culture, explore the country, and make friends who were from all over the world. As for the courses, all of my technical courses were transferred and were counted towards my degree. I didn’t lose a semester or have to take extra courses to study abroad.”

Alpher Ender, Bogazici University  
Fall 2015



# FEATURED SEMESTER PROGRAMS

The following programs have been identified as best-fit programs for **Electrical & Computer Engineering** students; however, students are welcome to participate in other programs.

## **AUSTRALIA | University of Wollongong**

Adelaide offers a broad range of courses and is a strategic partner to NC State.

### **NC State Course / Adelaide Equivalency**

ECE 301 / ELEC ENG2007	ECE 321 / ELEC ENG 3033
ECE 302 / ELEC ENG2008	ECE 434 / ELEC ENG4059
ECE 303 / ELEC ENG2009	ECE 451 / ELEC ENG 3031
ECE 306 / ELEC ENG3032	ECE 546 / ELEC ENG 4053
ECE 308 / ELEC ENG3027	
ECE 4** & EE elective / ELEC ENG 4123	
ECE 4** & CPE elective / ELEC ENG 4065	
ECE 4** & EE elective or / ELEC ENG 4065	

## **HONG KONG | Hong Kong Polytechnic University**

HKPU offers a variety of English taught courses in addition to these pre-approved ECE courses.

### **NC State Course / HKPU Equivalency**

Fulfills ECE303 / EE 2011	ECE 442 / EIE 409
ECE 305/ EE 3021	ECE 445 / EIE 450
ECE 308 / EE 3051	ECE 451 / EE 4031
ECE 309 / EIE 320	ECE elective / EIE 426
ECE 380 / MM 2021	ECE elective / EE 3031
ECE 421 / EE 4011	ECE elective / EE 3041

## **IRELAND | University College Cork**

Located on a seaport, Cork is the commercial and cultural center for southern Ireland.

### **NC State Course / UCC Equivalency**

ECE 212 / EE 2011	ECE 421 / EE 4008
ECE 301 / EE 2014	ECE 423 / EE 4007
ECE 302 / EE 2013	ECE 434 / EE 3011
ECE 303 / EE 3013	ECE 451 / EE 4010
ECE 305 / EE 3012	ECE 453 / EE 4001
ECE 308 / EE 3016	ECE 455 / EE 4015
NE 4001, 4002, 4003	technical electives

## **JAPAN | Nagoya University**

Nagoya University offers a wide range of courses as well as a valuable experience.

### **NC State Course / Nagoya Equivalency**

ECE 209 / 10220	ECE 421 / 354
ECE 303 / 771	ECE 434 / 10260
ECE 303 / 10164	ECE 434 / 346
ECE 305 / 344	ECE 451 / 345
ECE 402 / 364	ECE 4** / 10086
ECE 4** / 360	ECE 4** / 10247
MAE *** / 10250	

## **POLAND | Global STEM Semester**

This program for STEM majors provides additional on-site student support services from NC State faculty. Students will take courses at Adam Mickiewicz University in the beautiful and historic riverside city of Poznan.

## **SOUTH KOREA | Seoul National University**

Seoul National University offers a range of Electrical and Computer Engineering courses.

### **NC State Course / Seoul Equivalency**

ECE 303	Electromagnetics
ECE 302	Circuits
ECE 463	Computer Organization
ECE 492	Random Processes

## **SWEDEN | Lund University**

Lund is home to the Ideon Science Park, where innovations (such as Bluetooth) are invented.

### **NC State Course / Lund Equivalency**

ECE 308 / FRT 010	ECE 456 / EIEF 01
ECE 402 / ETT 051	ECE 461 / EDA 385
ECE 403 / ETIN 25	ECE 464 / EITF 01
ECE 434 / EIEN 25	ECE 546 / ETIF 35
ECE 451 / EIE 030 & EIEN 15	
ECE 452 / AEB 020	
ECE 492 / EIEN 10 as REES elective	
ECE 492 / ABE 010 as ECE elective	
ECE 492 / EIEN 01 as EE elective in the controls area	
ECE elective / ETEN 10	
ECE elective/ MIE041 ECE 4*** or REES elective/MIE100	

## **UNITED KINGDOM | Swansea University**

Swansea has a strong engineering program.

### **NC State Course / Swansea Equivalency**

ECE 209 / EG-244	ECE 308 / EG-243
ECE 301 / EG-247	ECE 309 / CSF-104
ECE 302 / EG-240	ECE 402 / EG-350
ECE 303 / EGA-207	ECE 422 / EG-341

## **UNITED KINGDOM | University of Surrey**

Students will enroll in engineering courses plus one course in Arts and Human Sciences.

### **NC State Course / Surrey Equivalency**

ECE 304 / EEE 3025	ECE 422 / EEEM 006
ECE 410 / EEEM 017	ECE 423 / EEE 3014
ECE 421 / EEE 3008	ECE 445 / EEE 3021
ECE elective / EEEM 041	

# FEATURED SHORT TERM PROGRAMS

**CHINA | Engineering, STS & International Relations (Summer)** Based in beautiful Hangzhou, participants fulfill six credits in engineering or GEP courses.

## **CZECH REPUBLIC | Prague Institute**

The Prague Institute offers a chance to spend time in one of Europe's most beautiful cities. Many courses fulfill GEP requirements: Humanities, IDP, & Natural Sciences.

## **UNITED KINGDOM | London General Studies**

**(Summer)** This five week program is a great way to fulfill six general education course requirements in a foreign setting while participating in cultural excursions and with various sites of interest throughout the city of London.

