



# MAPPING STUDY ABROAD TO THE MAJOR

Curriculum Integration Initiative • 2014-2015 • Key Accomplishments - Year 1

To achieve the desired growth in undergraduate student participation in study abroad and in direct support of Bold Aspirations Goal 1: Energizing the Educational Environment, the Office of Study Abroad (OSA) launched the Mapping Study Abroad to the Major Curriculum Integration initiative in Fall 2014. The primary goals for Year 1 of this initiative as outlined in the [strategic plan](#), included:

- 1 Incorporate Curriculum Integration (CI) processes within the existing structure of the KU Office of Study Abroad
- 2 Implement a campus-wide communications plan to promote the Mapping Study Abroad to the Major initiative; solicit academic units for engagement with the OSA; and update students, staff, and faculty on CI successes
- 3 Engage 20+ academic units in Mapping Study Abroad to the Major processes

During the 2014-15 academic year, the OSA has made significant progress in meeting each of these goals. This Year 1 Annual Report highlights some of the key accomplishments of the past year.



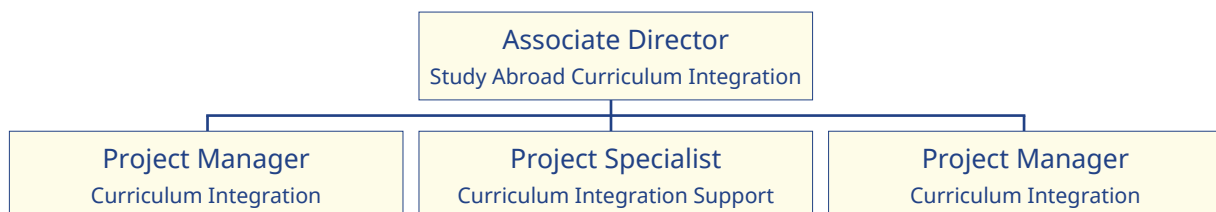
## Incorporate Curriculum Integration (CI) processes within the existing structure of the KU Office of Study Abroad

### Metrics

- CI staff participation in professional development activities
- Transparent workflow developed

### COMPLETE THE CI TEAM

With the addition of Lauren McEnaney in the Fall of 2014, the CI team was fully staffed and a portfolio of academic units was assigned to individual team members. CI staff participated in professional development activities through attendance at regional and national education abroad conferences and participation in unique learning opportunities specifically related to the integration of study abroad into academic curricula.





# Implement a campus-wide communications plan to promote Mapping Study Abroad to the Major; solicit academic units for engagement with the OSA; and update students, staff, and faculty on CI successes

## Metrics

- Number of academic units engaged
- Number of visits to the CI webpage
- Number of workshop attendees
- Number of CI materials produced

## LAUNCH A CAMPUS-WIDE INITIATIVE

A workshop luncheon to introduce the curriculum integration initiative was held on January 28, 2015. Over 70 KU faculty and staff attended the event, and selected guest speakers included Senior Vice Provost Rosen as well as representatives from the School of Engineering, the School of Business, and the Humanities. New partnerships with three academic units emerged as a direct result of the workshop as faculty members from Political Science, Speech-Language-Hearing, and Aerospace Engineering reached out to the OSA to engage their respective units in study abroad curriculum integration. These units have been working closely with the CI team to identify major-specific semester and short-term study abroad options and are expected to complete the process during the 2015-16 academic year. In total, 25 academic units have been engaged in CI processes during the past academic year.

## CREATE OUTREACH AND ADVISING MATERIALS

As the course vetting and mapping processes are complete for a given unit, sample study abroad degree plans, supplemental advising materials, and promotional bookmarks will be created to aid students and their academic advisors in planning for a study abroad experience at the earliest stage possible. These pieces will be housed in the OSA Info Center, the respective academic units, online, and in strategic locations across campus (ex. UAC, Honors, Admissions). Templates for these pieces have been designed, and sample materials for Civil Engineering are attached.

The image displays three sample advising materials for Civil Engineering:

- Sample Study Abroad Degree Plan for CIVIL ENGINEERING:** A table showing course requirements for the first, second, third, and fourth years, including course numbers, credits, and semester options.
- Advising guide for Study Abroad in CIVIL ENGINEERING:** A document with planning tips, degree requirements, and a list of recommended courses.
- RECOMMENDED PROGRAM OPTIONS:** A list of international programs such as Semester Programs, Summer Programs, and Experiential Opportunities.

## HIGHLIGHT ACADEMIC OPTIONS ABROAD

A “search by course” function is currently in development for the OSA website. This feature will allow students to easily search across study abroad programs for specific courses that have been reviewed and articulated for their degree. This enhancement will help students to identify and select a program that meets their individual academic and course needs and will also reinforce the notion that semester study abroad can be achieved for all majors while still maintaining progress towards degree.



# Engage 20+ academic units in Mapping Study Abroad to the Major processes

## Metrics

- Number of study abroad applications and participants for majors engaged in CI
- Number of new programs developed
- Number of new international partnerships
- Number of faculty/staff supported through CI grants

## INCREASE UNDERGRADUATE STUDENT PARTICIPATION IN STUDY ABROAD

During academic year 2013-14, the most recent year for which data is available, participation in study abroad grew by 6.4%, with a total of 1,346 KU students (1,393 total, including Non-KU students) going abroad for academic qualifications, as compared to 1,280 KU students in 2012-13. Undergraduate participation in study abroad grew by 78 students over the previous academic year.

**Study Abroad Participation by Campus & Student Classification Academic Year 2013-14**

	Domestic		International		Non-KU		Total
	UG	Grad	UG	Grad	UG	Grad	
KU-L	959	236	32	32	38	9	1306
KUMC	20	67	0	0	0	0	87
Total	979	303	32	32	38	9	1393

## ENGAGE ACADEMIC DEPARTMENTS IN CURRICULUM INTEGRATION PROCESSES

Over the past year the CI Team has engaged 25 academic majors in the Mapping Study Abroad to the Major initiative and has successfully collaborated with key faculty and staff in those units to conduct program research, course vetting and approval, and curriculum mapping activities with the end goal of creating major-specific study abroad program recommendations for their students. The attached chart details the progress made in each of the 25 units (see pages 10-11).

**UNIT HIGHLIGHT:  
CIVIL ENGINEERING**

The sequential nature of the engineering curricula can pose difficulty for students seeking to study abroad, and many assume that it may not be possible without extending time to graduation. In 2013-14 there were a total of 59 School of Engineering students that participated in study abroad, yet only ten students selected programs of a semester or longer. Over the past academic year, Civil Engineering has been working with the CI team to pinpoint semesters and specific courses in the curriculum where a study abroad experience could be accommodated. Program matches have been identified, course vetting is complete, and four-year plans and advising guides have been produced. These efforts and resulting materials will help students start planning during their freshman year (or even earlier) for a semester study abroad experience.

## EXPAND KU-CORE APPROVED INTERNATIONAL EXPERIENCES

In addition to new semester and academic year study abroad programs (see page 5), eight new short-term, faculty-led programs were approved by the UCCC for completion of KU Core Goal 4.2. In addition, three new internship/practicum programs were launched in academic year 2015, providing students access to applied experiences in South Korea and Kazakhstan.

## SUPPORT FACULTY TRAVEL FOR STUDY ABROAD PROGRAM DEVELOPMENT

Ten KU faculty/staff were awarded Mapping Study Abroad to the Major Faculty Support Grants to support international travel for curricular/site assessment and future study abroad program development. The grant awardees and their respective destinations are as follows:

- Hyesun Cho, School of Education – Korea University and Ewha University
- Anne Dotter, KU Honors Program – Almaty, Kazakhstan
- Mechele Leon, Theatre – National University of Singapore
- Liz MacGonagle, Kansas African Studies Center – Mufindi, Tanzania
- Nikki Perry, Center for Undergraduate Research – EuroScholars Program
- Lizette Peter, School of Education – Korea University and Ewha University
- Hyunjin Seo, School of Journalism – Korea University
- Rick Spano, School of Social Welfare – San José, Costa Rica
- Paul Wilhite, School of Engineering – Christchurch, New Zealand
- Mike Williams, School of Journalism – University of Stirling (Scotland)

### FACULTY GRANT HIGHLIGHT: TESOL PRACTICUM IN KOREA

After their visit to Seoul, Professors Peter and Cho established a TESOL Practicum program for undergraduate and graduate KU education students. Participants in the program teach English at a private school in South Korea, learn the fundamentals of TESOL, and explore historical sites of surrounding Korean cities all while earning practicum credit. There are currently nine students participating in the program this summer.

### FACULTY GRANT HIGHLIGHT: UNIVERSITY OF STIRLING

Professor Williams met with faculty and administrators in the Communications, Media & Culture department at the University of Stirling to identify courses that would fit well within the KU Journalism curriculum and to investigate the potential for media internships for students. As a result, Professor Williams has established a short-term program for KU journalism students and course vetting is underway for students to take semester-long courses at the University of Stirling.

## DEVELOP CAMPUS ADVOCATES

In May 2015, a pilot program was designed to build the study abroad knowledge base across campus and thus develop advocates for international education amongst those individuals who have frequent contact with students. The first site selected was the Universidad de Costa Rica, and the first KU staff to embark on this journey were eight academic advisors representing departments across the campus. Site visit participants included:

- Liz Barton, CLAS – Psychology
- Anea Chandler, UAC
- Julie Hartness, School of Business
- Laura Leonard, CLAS – GIST, Spanish, French & Italian
- Kim Moore, CLAS – Economics and Political Science
- Emily Plotkin, UAC
- Ellen Raimond, Office of FYE
- Katie Rockey, CLAS – English, History, Women, Gender & Sexuality Studies

### UCR VISIT FEEDBACK

*This was the most amazing experience! Not only did I learn more about studying abroad, I was able to get to know my colleagues from other offices across campus. I have learned so much from this experience, and as a result I will definitely be encouraging my students to study abroad more than I did before!*

## FACILITATE NEW PROGRAM DEVELOPMENT

As a result of ongoing conversations with faculty and in direct support of the Mapping Study Abroad to the Major initiative, nine new faculty-led, short-term programs and eight new semester/academic year programs have been developed including:

### **Beijing Institute of Technology (Beijing, China)**

A new direct enrollment option for Aerospace Engineering students. Beijing Institute of Technology is also interested in the potential of hosting KU faculty to teach summer courses as well as establishing research collaborations.

### **Hanyang University (Seoul, South Korea)**

A new semester internship option for School of Architecture students.

### **MU Teach Abroad in India and South Africa**

Through partnership with the University of Missouri's College of Education, two new teaching internships are now available for KU School of Education students.

### **National University of Singapore (Singapore)**

This existing exchange between psychology departments has been expanded to include all of the College of Liberal Arts and Sciences with a prioritization for psychology and theatre students.

### **Universidad Pontificia Comillas (Madrid, Spain)**

A new exchange program for Engineering (primarily Civil and Mechanical), Business, Law, and Humanities and Social Science students.

### **University of Aberdeen (Aberdeen, Scotland)**

A new exchange program for School of Law students.

### **WHU Otto Beisheim School of Management (Vallendar, Germany)**

A new exchange program for School of Business students.

### **WU Vienna University of Economics and Business (Vienna, Austria)**

A new exchange program for School of Business students.

#### Credits

Angela Perryman, Director  
Alexis McKinley Jones, Associate Director  
Nathan Bremer, Project Manager  
Lauren McEnaney, Project Manager  
Holly Rains, Project Specialist  
Chad Uhl, Designer

# Sample Study Abroad Degree Plan for CIVIL ENGINEERING

This is an example of how study abroad can be incorporated into the Civil Engineering graduation plan. The information below is for study abroad planning purposes only and is subject to change. Please talk with your academic advisor about degree requirements and to learn more about available study abroad options.

## FIRST YEAR

FALL SEMESTER	# HRS	SPRING SEMESTER	# HRS
CE 191	2	CE 192	3
ENGL 101	3	ENGL 102	3
MATH 125	4	MATH 126	4
CHEM 150	5	PHSX 210 & 216 (Lab)	4
COMS 130	3	EECS 137	3
Total: 17		Total: 17	

## SECOND YEAR

FALL SEMESTER	# HRS	SPRING SEMESTER	# HRS
CE 201 & 300 or CE 301	5	CE 310	4
PHSX 212 & 236 (Lab)	4	CE 240	3
MATH 127	4	CMGT 357	3
ECON 104	4	AE 4.2	3
		ENGR Science Elective	3
Total: 17		Total: 16	

## THIRD YEAR

FALL SEMESTER	# HRS	SPRING SEMESTER	# HRS
CE 330	4	CE 455	3
CE 412/484	3	CE 477	3
CE 461	4	CE 480	3
MATH 220	3	CE 487	4
MATH 290	2	MATH 526	3
Total: 16		Total: 16	

## FOURTH YEAR

FALL SEMESTER	# HRS	SPRING SEMESTER	# HRS
CE 562	3	CE 563	3
CE 552/576	4	AE 5.1	3
AE 4.1	3	GE 3H	3
Civil Design Elective	3	Civil Design Elective	3
Science Elective	3	General Electives	5
Total: 16		Total: 17	

## NOTES

Complete Study Abroad application by October 1<sup>st</sup>.

The Engineering Analysis and Design classes will vary for the Environmental Engineering concentration. Please contact your academic advisor for details.

# Advising guide for Study Abroad in CIVIL ENGINEERING

## PLANNING TIPS



### Look into your options early

KU students can study abroad as early as the second semester of their first year. It's never too early to start planning for study abroad!



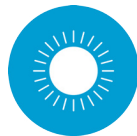
### Semester Study

You can take Mathematics and Basic Sciences, General Education, or Basic and Civil Engineering Sciences courses abroad in the spring of your second year or the fall of your third year, AND stay on track for graduation in 4 years.



### U.S.-Specific Courses

Some of your upper division courses include key information about U.S. construction standards, so you should plan to take these courses at KU.



### Summer Options

Summer is a great time to take Mathematics and Basic Sciences, General Education, or unique sustainability courses during a summer program abroad, or participate in a summer international internship opportunity to gain valuable work experience.

## DEGREE REQUIREMENTS

### Mathematics & Basic Sciences

*Some of these courses can be taken abroad either during the summer or second semester sophomore year.*



MATH 125	Calculus I
MATH 126	Calculus II
MATH 127	Calculus III
MATH 220	Applied Differential Equations
MATH 290	Elementary Linear Algebra
MATH 526	Applied Mathematical Statistics I
PHSX 210	General Physics I for Engineers
PHSX 216	Physics I Lab
PHSX 212	General Physics II for Engineers
PHSX 236	Physics II Lab
CHEM 150	Chemistry for Engineers <i>QR</i>
CHEM 130 <i>AND</i> CHEM 135	General Chemistry I/II
	Basic Science Elective

### General Education

*Many of these are good courses to take abroad, particularly the Arts & Humanities Elective (GE3H) and the Global Awareness Elective (AE4.2).*

ENGL 101	Composition
ENGL 102	Critical Reading and Writing
COMS 130	Speaker-Audience Communication
ECON 104	Introductory Economics <i>QR</i>
ECON 142	Principles of Macroeconomics <i>QR</i>
ECON 144	Principles of Microeconomics
GE 3H	Arts & Humanities
AE 4.1	Human Diversity
AE 4.2	Global Awareness
AE 5.1	Ethics & Social Responsibility

### Engineering Analysis & Design

 CE 562	Design of Steel Structures
 CE 563	Design of Reinforced Concrete Structures

### Six hours of Civil Engineering design electives

*\*Construction Engineering (CMGT 500) is available to be taken abroad.*

### Basic Engineering Sciences

*Many of these are good courses to take abroad. Second semester sophomore year or first semester junior year are the best times.*

CE 201 <i>AND</i> CE 300	Statics & Dynamics
<i>QR</i> CE 301	Statics & Dynamics
CE 310	Strength of Materials
CE 330	Fluid Mechanics
CMGT 357	Engineering Economics
CE 192	Civil Engineering Graphics
EECS 137	Visual Basic for Engineers <i>QR</i>
EECS 138	Introduction to Computing
	One course in 2 of the following groupings:
EECS 315	Electric, Circuits, & Machines <i>QR</i>
EECS 316	Circuits, Electronics, & Instrumentation
C&PE 221	Chemical Engineering Thermodynamics <i>QR</i>
ME 312	Basic Engineering Thermodynamics
ME 306	Science of Materials <i>QR</i>
ARCE 350	Building Material Science

### Civil Engineering Sciences & Intro to Design



*Many of these are good courses to take abroad. Second semester sophomore year or first semester junior year are the best time to take these courses abroad.*

CE 240	Surveying
CE 412	Structural Engineering Materials <i>QR</i>
CE 484	Material for Transportation Facilities
CE 455	Hydrology
CE 461	Structural Analysis
CE 477	Intro to Environmental Engr. & Science
CE 487	Soil Mechanics
CE 480	Intro to Transportation Engineering

A concentration in Environmental Engineering is also available. Please contact your academic advisor for more details.

*\*Courses which should be taken at the University of Kansas are indicated with*



 CE 552	Water Resources Engineering Des
 CE 576	Municipal Water Supply & Wastew Treatment

# RECOMMENDED PROGRAM OPTIONS

Below you will find a list of possible program options for your major that have been reviewed and approved by the School of Engineering. This is not an all-inclusive list, but rather a starting point. For more program options and/or to learn more about the specific courses available, please visit [www.studyabroad.ku.edu](http://www.studyabroad.ku.edu) or come to the Study Abroad Info Center in 105 Lippincott Hall.

Places offering

## SEMESTER PROGRAMS

### UNIVERSITY OF LEEDS

*Leeds, England*

Take Engineering and KU Core courses in Leeds, just a short train ride from London and Edinburgh.

Eligibility: junior status, cumulative 2.8 GPA.

### UNIVERSITY OF NEWCASTLE

*Newcastle, Australia*

Take KU Core and Engineering courses on the east coast of Australia.

Eligibility: second semester sophomore, cumulative 2.5 GPA.

### UNIVERSIDAD PONTIFICIA COMILLAS

*Madrid, Spain*

Go abroad the spring of your second year. Take math and engineering courses in English and strengthen your Spanish skills.

Eligibility: Completion of MATH 127 and CE 201, cumulative GPA 2.75.

### UNIVERSITY OF HONG KONG

*Hong Kong, People's Republic of China*

Take Engineering and KU Core courses in English at one of Asia's most highly ranked universities.

Eligibility: sophomore standing, cumulative 3.0 GPA.

### SWANSEA UNIVERSITY

*Swansea, Wales*

Take Engineering and KU Core courses on the coast of Wales.

Eligibility: Junior standing, cumulative 2.8 GPA.

Places offering

## SUMMER PROGRAMS

### JOHN CABOT UNIVERSITY

*Rome, Italy*

Summer program ideal for the summer before your second year.

Earn credits in Mathematics and Statics.

Eligibility: one year of college coursework, good academic standing.

Programs offering

## EXPERIENTIAL OPPORTUNITIES

### INTERNSHIPS

*Multiple Locations*

Gain voluntary professional experience over 6-12 weeks.

Eligibility: preference for juniors and seniors, some locations are available to sophomores, cumulative 2.75 GPA.

### SIT SUMMER INNOVATION LAB - WATER ISSUES

*Amman, Jordan*

Explore innovative approaches to water supply in Jordan.

Eligibility: one semester of college coursework, cumulative 2.5 GPA.

LOOKING FOR MORE OPTIONS? VISIT OUR [WEBSITE](http://www.studyabroad.ku.edu).



# Study Abroad for CIVIL & ARCHITECTURAL ENGINEERING

## KU Office of Study Abroad

### Info Center

-  Lippincott, Room 105
-  studyabroad@ku.edu
-  jayhawksabroad.dept.ku.edu
-  KUStudyAbroad
-  KUStudyAbroad
-  KUStudyAbroad

## Recommended Programs

### Semester

- University of Hong Kong*
- University of Newcastle, Australia*
- Swansea University, Wales*
- University of Leeds, United Kingdom*
- Universidad Pontificia Comillas, Spain*

### Summer

- John Cabot University, Italy*
- Internships*
- SIT Summer Innovation Lab, Water Issues - Jordan*

## Faculty Perspective

### TOM MULINAZZI

Professor Emeritus  
Department of Civil, Environmental,  
and Architectural Engineering



“The students who study abroad come back to KU with a different outlook on the world. Having this study abroad experience opens up many job opportunities because employers know that you are aware of different cultures.”

## Funding Your Program

KU students who qualify for financial aid in the form of Stafford and/or other loans, Pell or SEOG Grants, and scholarships may apply the aid to the cost of a study abroad program.

### Study Abroad Scholarships

Office of Study Abroad supplemental scholarships are available to KU degree seeking students. For scholarship application procedures and deadlines, visit: [www.studyabroad.ku.edu/osa-scholarships](http://www.studyabroad.ku.edu/osa-scholarships)

For a listing of national and regional scholarship opportunities, view the OSA Scholarship Handbook online: [www.studyabroad.ku.edu/other-scholarship-opportunities](http://www.studyabroad.ku.edu/other-scholarship-opportunities)

### Engineering Scholarships

The School of Engineering encourages study abroad and provides scholarships for qualifying engineering students who pursue study abroad opportunities. For more information, please visit <http://enr.ku.edu>.

## Kickstart the Study Abroad Process

- **Start early.** It's never too early to start planning your study abroad program. The earlier you start, the more prepared you will be, and you will have plenty of time to find the perfect program!
- **Talk to your academic advisor and the departmental study abroad faculty advisor.**
  - *What would be the ideal semester for me to study abroad?*
  - *What classes do I have to take at KU?*
  - *What flexibility exists within my curriculum?*
  - *What classes do I have to take in a certain sequence?*
- **Visit the Study Abroad Info Center.** The Info Center is staffed with returned study abroad students who can answer your questions and help you find a program that works for you. Drop by to browse brochures and get one-on-one advising. No appointment necessary.
- **Make connections.** Talk in class, participate, and visit your professors during their office hours. Study abroad applications require academic references, and getting to know your professors now will help you later. Professors might also be able to recommend a great program.

This is your chance to  
**GO ABROAD**

# MAPPING STUDY ABROAD TO THE MAJOR

Progression of Curriculum Integration by Academic Unit

School	Major	Initiated	CI Team Member	Initial Mtg. Scheduled	Assessment of Major Requirements & Sequencing	Research Prog. Options & Associated Courses	List of Potential Program Options Identified	Course Vetting Process	Creation of Advising Materials	Outreach to Students	Assessment & Evaluation
ARCH & DESIGN	Architectural Studies	15 - 16	Lauren								
	Architecture - Masters	15 - 16	Lauren								
	Illustration & Animation	14 - 15	Lauren								
	Industrial Design	14 - 15	Lauren								
	Photo Media	14 - 15	Lauren								
	Visual Communication Design	14 - 15	Lauren								
COLLEGE OF LIBERAL ARTS & SCIENCES	Chemistry	15 - 16	Lauren								
	Communication Studies	14 - 15	Nathan								
	English	15 - 16	TBA								
	German	15 - 16	TBA								
	Peace & Conflict Studies	14 - 15	Nathan								
	Political Science	15 - 16	Nathan								
	Psychology	15 - 16	Nathan								
	Speech, Language, Hearing	15 - 16	Nathan								
SCHOOL OF BUSINESS	Accounting	15 - 16	Nathan								
	Business Administration	15 - 16	Nathan								
	Finance	15 - 16	Nathan								
	Information Systems	15 - 16	Nathan								
	Management & Leadership	14 - 15	Nathan								
	Marketing	14 - 15	Nathan								
	Supply Chain Management	14 - 15	Nathan								
SCHOOL OF EDUCATION	Athletic Training	15 - 16	Alexis								
	Community Health	15 - 16	Alexis								
	Elementary Education	14 - 15	Alexis								
	Exercise Science	15 - 16	Alexis								
	Foreign Language Education - French	14 - 15	Alexis								
	Foreign Language Education - Spanish	14 - 15	Alexis								
	Foreign Language Education - German	14 - 15	Alexis								
	Health and Physical Education	15 - 16	Alexis								
	Middle Math	14 - 15	Alexis								
	Middle Science	14 - 15	Alexis								
	Secondary English	14 - 15	Alexis								
	Secondary Social Studies	14 - 15	Alexis								
	Sport Management	15 - 16	Alexis								
	Unified Early Childhood	14 - 15	Alexis								

ASSESSMENT IS CONDUCTED EACH YEAR FOR ALL ACADEMIC PROGRAMS

School	Major	Initiated	CI Team Member	Initial Mtg. Scheduled	Assessment of Major Requirements & Sequencing	Research Prog. Options & Associated Courses	List of Potential Program Options Identified	Course Vetting Process	Creation of Advising Materials	Outreach to Students
SCHOOL OF ENGINEERING	Aerospace Engineering	15 - 16	Lauren							
	Architectural Engineering	14 - 15	Lauren							
	Chemical Engineering	15 - 16	Lauren							
	Civil Engineering	14 - 15	Lauren							
	Computer Engineering	14 - 15	Lauren							
	Computer Science	14 - 15	Lauren							
	Electrical Engineering	14 - 15	Lauren							
	Engineering Physics	15 - 16	Lauren							
	Interdisciplinary Computing	14 - 15	Lauren							
	Mechanical Engineering	14 - 15	Lauren							
	Petroleum Engineering	15 - 16	Lauren							

- : Completed
- : Unit added in Spring 2015
- : Summer 2015
- : Fall 2015
- : Spring 2016
- : New for AY 15-16