

Fall junior year programs

NUI Galway, Ireland*

ME 223 Thermo and Fluid Dynamics = VU CEE 3500

CE 340 Solids and Structures = VU CEE 3401

CE 336 Environmental Engineering = VU CEE 3321/CEE 3921

IS 4100 Irish Studies (counts as Humanities Elective)

Students can also pursue a full year at NUI Galway

Changes to schedule once you return: take CEE 3705 and CEE 3910 fall senior year

*Study abroad at NUIG can be combined with an Irish Studies Minor:

- Five courses are required to earn the minor
- Ideally, you would take one class before going and one class after, but taking two upon your return is fine, too (to be approved by director of Irish Studies Minor)
- While in Galway you will have the opportunity to complete three of the required five classes by taking:
 - IS 4100 Irish Studies (Humanities Elective)
 - CEE 336 Environmental Engineering
 - One other class with significant Irish cultural content (to be approved by director of Irish Studies Minor)

The University of Technology Sydney, Australia

48641 Fluid Mechanics = VU CEE 3107

48840 Water Supply and Wastewater Engineering = VU CEE 3321/CEE 3921

48349 Structural Analysis = VU CEE 3401

48250 Engineering Economics and Finance = VU CEE 3705

Changes to schedule once you return: none

The American University of Sharjah, United Arab Emirates

CVE 240 Fluid Mechanics + CVE 240L Fluid Mechanics Lab = VU CEE 3107

CVE 267 Civil Eng Cost Analysis = VU CEE 3705

CVE 301 Theory of Structures = VU CEE 3401

CVE 304 Env and Water Lab = VU CEE 3921

CVE 351 Environmental Engineering = VU CEE 3321

ARA 105 Introductory Arabic + ARA 105 L Introductory Arabic Lab = VU ARB 1111

Students can also pursue a full year at AUS

Changes to schedule once you return: none

Spring sophomore year programs

The University of Melbourne, Australia

ENGR20004 Engineering Mechanics = VU CEE 2103

ENVS10001 Natural Environments = VU CEE 2311

Changes to schedule once you return: move MAT 2705 to another semester, take CEE 3902 fall junior year, take CEE 2211 spring junior year

The University of Queensland, Australia

CIVL 2330 Structural Mechanics = VU CEE 2103

CIVL 2130 Enviro Issues, Monitoring Assessment = VU CEE 2311

CIVL 2410 Traffic Flow Theory and Analysis = VU CEE 2211

Changes to schedule once you return: move MAT 2705 to another semester and take CEE 3902 fall junior year

The University of Technology Sydney, Australia

48331 Mechanics of Solids = VU CEE 2103

<http://www.handbook.uts.edu.au/subjects/details/48331.html>

48821 Principles of Environmental Engineering = VU CEE 2311

<http://www.handbook.uts.edu.au/subjects/details/48821.html>

48352 Construction Materials = CEE 3902

<http://www.handbook.uts.edu.au/subjects/details/48352.html>

Changes to schedule once you return: move MAT 2705 to another semester, take CEE 3902 fall junior year, and take CEE 2211 spring junior year.

University of New South Wales, Australia

CVEN 2301 Mechanics of Solids for Civil Engineers = VU CEE 2103

https://vm.civeng.unsw.edu.au/courseprofiles/2016/2016-S1_CVEN2301x5529.pdf

CVEN 2402 Transport Engineering and Environmental Sustainability = VU CEE 2211

https://vm.civeng.unsw.edu.au/courseprofiles/2016/2016-S1_CVEN2402x7798.pdf

Changes to schedule once you return: move MAT 2705 to another semester, take CEE 3902 fall junior year, and CEE 2311 in spring junior year. CAUTION: not recommended for students interested in Environmental engineering as they will be one-year behind.

KAIST: Korea Advanced Institute of Science and Technology, South Korea

CE 201 Mechanics of Materials = VU CEE 2103

CE 350 Introduction to Transportation Systems Engineering = VU CEE 2211

CE 371 Environmental Science and Engineering = VU CEE 2311

Changes to schedule once you return: move MAT 2705 to another semester and take CEE 3902 fall junior year

Technical University of Krakow with Swarthmore College, Poland

Mechanics of Solids = VU CEE 2103

Ecological Engineering and Sustainable Development = VU CEE 2311

Environmental Science and Policy in Central and Eastern Europe = VU CEE 4607

Changes to schedule once you return: take CEE 2211 spring junior year, move MAT 2705 to another semester, and take CEE 3902 fall junior year

University of Nottingham, United Kingdom – starting spring 2017

H21SSV Structural Mechanics and Vibrations = VU CEE 2103

H22IS3 Transportation Infrastructure = VU CEE 2211

As there is no suitable proxy for CEE 2211 a student embarking on this program will have two choices:

- Take CEE 2311 before they leave; e.g. freshman spring (option 1)
- Take CEE 2311 when they return, e.g. junior spring. It is important to note that this means that CEE 3321/3921 will be taken fall senior year which would preclude a student from enrolling in CEE 4331 or an environmental capstone design project (option 2)

Changes to schedule once you return (option 1): move MAT 2705 to another semester, take CEE 3902 fall junior year; if you would like to take a senior level elective in transportation engineering it must be CEE 4224 and not CEE 4226

Changes to schedule once you return (option 2): move MAT 2705 to another semester, take CEE 3902 fall junior year; if you would like to take a senior level elective in transportation engineering it must be CEE 4224 and not CEE 4226; take CEE 2311 fall spring, CEE 3321/3921 senior fall

Programs evaluated, but not acceptable:

Al-Akawayn
American University in Cairo
Cardiff University
Carlos III Madrid
City University
Cork
Cours de Civilisation Francaise de la Sorbonne
Delft University of Technology
DTU: Technical University Denmark
Dublin City University
ENSEA: Ecole Nationale Superieure de l'Electronique et de ses Applications
Escuela Superior de Diseno e Ingenieria de Barcelona School of Design
Escuela Tecnica Superior de Arquitectura
Franklin University
Gonzaga in Italy
Hanyang University
Hong Kong Polytechnic University (program works in fall, but no exchange students)
INSA Lyon: Institut National des Sciences Appliquees, Lyon
Institut Teknologi Bandung
Kathalike University of Leuven
Lancaster University in UK
London South Bank University
Lund University
MUAS: Munich University of Applied Sciences
Nanyang Technological University
Newcastle University
Politecnico di Milano
Queen Mary University of London
Oxford University
St. Louis University Madrid
Swansea University in Wales
Technische Universitat Wein
Tecnologico de Monterrey
Technion – Israel Institute of Technology
Technische Universtat Munchen
Tohoku University
University of the Basque Country
University of Cape town
University College Dublin
University College of London
Universidad Del Pais Vasco
University of Edinburgh
University of Kwazulu-Natal
University of Glasglow
University of Leeds

University of Limerick
University of Manchester
University of Michigan – Shanghai Jiao Tong University
University of Nottingham (do not want students in the second year)
Universidad Politecnica de Madrid
Universidad Pontificia Comillas
University of Salamanca
University of Seville
University of Sheffield
University of Southern Denmark, Odense
Universiti Teknoogi Petronas
UTT: Universite' de Technologie de Troyes
Vesalius College
Xiamen University