

| 1MEES1        | 2026-27                                                                                                                   | Energy Systems Engineering                                           |                                                            |                                                                                         |                                                                                         |                                                                                                           |                                                                             | Semester 1                                                                         |                                                                               |                                                                                   |
|---------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Time          | Monday                                                                                                                    |                                                                      |                                                            | Tuesday                                                                                 |                                                                                         | Wednesday                                                                                                 |                                                                             | Thursday                                                                           | Friday                                                                        |                                                                                   |
| 09:00 - 10:00 | Sustainability Measurement: Introduction to Life Cycle Management and Assessment<br>MG5155<br>CA115<br>Dr Sinead Mitchell |                                                                      |                                                            | Energy Systems Engineering Project<br>EG6101<br>ENG-3036<br>Self-Directed Learning      |                                                                                         | Systems Modelling and Simulation<br>CT561<br>Lab CSB-G001<br>Prof Jim Duggan                              |                                                                             |                                                                                    | Internet of things<br>EE5127<br>Lab ENG 3001<br>Dr Adnan Elahi                | Energy Systems Engineering Project<br>EG6101<br>ENG2033<br>Self-Directed Learning |
| 10:00 - 11:00 |                                                                                                                           |                                                                      |                                                            |                                                                                         |                                                                                         | Power Systems<br>EE6102<br>Tyndall Theatre<br>Prof Maeve Duffy                                            |                                                                             | Power Systems<br>EE6102<br>ENG-G017<br>Prof Maeve Duffy                            |                                                                               |                                                                                   |
| 11:00 - 12:00 |                                                                                                                           |                                                                      |                                                            | MES113 Advanced Wind Energy System and Design -<br>CA117 MBA Room<br>Dr. Pedram Masjedi |                                                                                         | Advanced Energy Systems Engineering<br>EG5101<br>ENG-2003<br>Prof Rory Monaghan                           |                                                                             |                                                                                    | Advanced Wind Energy Systems and Design MES113<br>CA101<br>Dr. Pedram Masjedi |                                                                                   |
| 12:00 - 13:00 |                                                                                                                           |                                                                      |                                                            |                                                                                         |                                                                                         | Research Methods for Engineers<br>MES21<br>ENG-G017<br>Dr Pedram Masjedi                                  |                                                                             |                                                                                    |                                                                               |                                                                                   |
| 13:00 - 14:00 | Research Methods for Engineers<br>MES21<br>ENG-G017<br>Dr Pedram Masjedi                                                  |                                                                      |                                                            | Energy Systems Engineering Project<br>EG6101<br>ENG-2016<br>Self-Directed Learning      |                                                                                         | Global Change<br>ECS6101<br>AC213<br>Prof Peter Croot                                                     |                                                                             | Energy Systems Engineering Project<br>EG6101<br>ENG-2003<br>Self-Directed Learning |                                                                               |                                                                                   |
| 14:00 - 15:00 | Fundamentals of Python Programming<br>PC Lab<br>CSB-G009<br>Dr Patrick Mannion                                            | Composite Materials<br>MES115<br>McMUNN Theatre<br>Dr Pougan Ghabezi | Internet of things<br>EE5127<br>ENG2002<br>Dr. Adnan Elahi | Systems Modelling and Simulation<br>CT561<br>CSB-G005<br>Prof Jim Duggan                | Technology, Innovation & Entrepreneurship<br>ME432<br>ENG-2002<br>Prof Kathryn Cornican | Weeks 7 - 12                                                                                              |                                                                             | Composite Materials<br>MES115<br>CSB-G005<br>Dr Pougan Ghabezi                     | Planning & Law I<br>LW361<br>ENG-G047<br>Napom Popattanachai                  | Advanced Energy Systems Engineering<br>EG5101<br>ENG 2033<br>Prof Rory Monaghan   |
| 15:00 - 16:00 |                                                                                                                           |                                                                      |                                                            |                                                                                         |                                                                                         |                                                                                                           | Fundamentals of Python Programming<br>CT5200<br>AC201<br>Dr Patrick Mannion |                                                                                    |                                                                               |                                                                                   |
| 16:00 - 17:00 | Sustainable Energy<br>CES100<br>ENG-G017<br>Dr Stephen Nash                                                               |                                                                      |                                                            | Power Systems<br>EE6102<br>ENG-G017<br>Prof Maeve Duffy                                 |                                                                                         | Composite Materials<br>MES115<br>G034 Materials Lab<br>Dr Pougan Ghabezi                                  |                                                                             | Internet of things<br>EE5127<br>McMunn Theatre<br>Dr. Adrian Elahi                 |                                                                               |                                                                                   |
| 17:00 - 18:00 |                                                                                                                           |                                                                      |                                                            | Sustainable Energy<br>CES100<br>ENG-G017<br>Dr. Stephen Nash                            |                                                                                         |                                                                                                           |                                                                             |                                                                                    |                                                                               |                                                                                   |
| 18:00 - 19:00 |                                                                                                                           |                                                                      |                                                            |                                                                                         |                                                                                         | Financial Management I<br>Tutorial<br>AY872<br>ENG-G047<br>(Lecturer to advise start date) Sophie Sweeney |                                                                             |                                                                                    |                                                                               |                                                                                   |

Core for all  
Core for external graduates only  
Optional: all students must pick at least 5 ECTS  
Optional ASSM: 0 - 15 ECTS  
Optional ETSM: 0 - 15 ECTS  
Self-directed learning  
Updated 25 August 2026