School of Chemical Engineering

Study Abroad Module List 2020-21

| **Module Code** | **Module Title** | **Level** | **Semester** | **Credits** |
| --- | --- | --- | --- | --- |
| 18526 | From Bench to Market: the Development of Pharmaceutical Drug Products | LM | 1 | 10 |
| 19298 | LI Process Engineering Fundamentals | LI | 1 | 10 |
| 20545 | Advanced Transport Processes | LM | 1 | 20 |
| 21169 | Energy Economics | LH | 1 | 10 |
| 21317 | Cell Factories | LM | 1 | 20 |
| 23624 | LH Multiphase Systems | LH | 1 | 20 |
| 26222 | Fuel Cell and Hydrogen Technology | LM | 1 | 10 |
| 26223 | Introduction to Electrochemistry | LH | 1 | 10 |
| 26226 | Advanced Electrochemical Applications | LM | 1 | 10 |
| 26437 | Sustainability in the Food Industry | LM | 1 | 10 |
| 26443 | Food Control | LM | 1 | 20 |
| 26444 | Food and Microbes | LM | 1 | 20 |
| 26504 | Petrochemical Engineering | LH | 1 | 10 |
| 28467 | Process Systems and Principles of Process Control | LI | 1 | 20 |
| 31265 | LM Advanced Energy Technology | LM | 1 | 20 |
| 31267 | LM Energy Systems and Policy | LM | 1 | 10 |
| 31272 | LM Thermal Energy - conversion, storage and applications | LM | 1 | 10 |
| 31634 | LM Project Management (Business Strategy Delivery) | LM | 1 | 10 |
| 32433 | LM Frontiers in Tissue Engineering | LM | 1 | 10 |
| 32444 | LM Applied Synthetic Biology | LM | 1 | 10 |
| 32445 | LM Advanced Therapeutic Medicine Products | LM | 1 | 10 |
| 32446 | LM Advanced Biomaterials for Healthcare Technologies | LM | 1 | 10 |
| 32456 | LM Additive manufacturing and 3D printing for healthcare applications | LM | 1 | 10 |
| 32471 | LC Chemistry and Materials | LC | 1 | 20 |
| 32830 | LM Food Safety Management Systems | LM | 1 | 20 |
| 33126 | LH Advanced Reactors and Thermodynamics | LH | 1 | 20 |
| 33510 | LC Process Design and Analysis 1 | LC | 1 | 10 |
| 33534 | LC Introduction to Transport Phenomena 1 | LC | 1 | 10 |
| 33565 | LC Modelling Concepts and Tools 1 (MCT 1) | LC | 1 | 10 |
| 34037 | LC Labs and Data Analysis 1 | LC | 1 | 10 |
| 34538 | LM Non Ideal Materials | LM | 1 | 20 |
| 34766 | LI Reactors or Catalysis and Thermodynamics 10 credits | LI | 1 | 10 |
| 14427 | LI Food Legislation | LI | 2 | 10 |
| 17128 | Product Design Exercise | LI | 2 | 10 |
| 18527 | Design and Development of Drug Delivery Systems | LM | 2 | 10 |
| 23627 | LH Processing for Formulation | LH | 2 | 10 |
| 23638 | LM Food Chain Security | LM | 2 | 10 |
| 26219 | Techniques for Fuel Cell Characterisation | LM | 2 | 10 |
| 26439 | Chemical Contamination of Food and Water | LM | 2 | 10 |
| 26506 | Plant Optimisation | LH | 2 | 10 |
| 27439 | LM Food Fraud | LM | 2 | 10 |
| 27443 | LM Principles of Nutrition | LM | 2 | 10 |
| 27526 | Explosion Science, Prevention and Protection | LM | 2 | 10 |
| 29496 | LC Reaction, Equilibria and Thermodynamics | LC | 2 | 20 |
| 29680 | LM Water and Health | LM | 2 | 10 |
| 31268 | LM Energy Systems Modelling | LM | 2 | 10 |
| 31566 | LM Renewable Energy Systems | LM | 2 | 10 |
| 31632 | LM Business and Strategy Development | LM | 2 | 10 |
| 31692 | LM Food Standards | LM | 2 | 10 |
| 32458 | LM Energy Storage | LM | 2 | 10 |
| 32463 | LH Efficient Use of Energy | LH | 2 | 10 |
| 32465 | LH Introduction to Healthcare Technologies | LH | 2 | 10 |
| 32469 | LH Engineering of Food | LH | 2 | 10 |
| 33097 | LM Medical Devices | LM | 2 | 10 |
| 33110 | LM Future Engineering of Food | LM | 2 | 10 |
| 33111 | LM Sensor systems in medicine | LM | 2 | 10 |
| 33512 | LC Process Design and Analysis 2 | LC | 2 | 10 |
| 33545 | LC Introduction to Transport Phenomena 2 | LC | 2 | 10 |
| 33580 | LC Modelling Concepts and Tools 2 (MCT 2) | LC | 2 | 10 |
| 33607 | LI Computing for Chemical Engineers | LI | 2 | 10 |
| 34042 | LC Labs and Data Analysis 2 | LC | 2 | 10 |
| 34391 | LM Energy Systems Design | LM | 2 | 10 |
| 34534 | LM Industry 4.0 and Big Data | LM | 2 | 20 |
| 34536 | LM Measurement, Sensors and Design of Experiments | LM | 2 | 20 |
| 34767 | LI Reactors or Catalysis and Thermodynamics 10 credits | LI | 2 | 10 |
| 17125 | Mass, Heat and Momentum Transport | LI | Full Term | 20 |
| 17126 | Process Integration and Unit Operations | LI | Full Term | 20 |
| 17133 | Design Project | LM | Full Term | 40 |
| 19768 | Bioseparations | LM | Full Term | 20 |
| 20546 | Research Project | LM | Full Term | 40 |
| 22874 | LM Food Safety and Control | LM | Full Term | 30 |
| 31633 | LI Sustainable Process Engineering | LI | Full Term | 20 |
| 32470 | LI Reactors, Catalysis and Thermodynamics | LI | Full Term | 20 |