



Study in Ireland, University of Limerick  
Course Catalog, Fall

*Please note all courses subject to change and availability*

***Please contact World Endeavors for more information about specific timetables, pre-requisites, and detailed course descriptions.***

## **KEMMY BUSINESS SCHOOL**

### *ACCOUNTING*

AC4001/4203 Principles of Accounting  
AC4213 Financial Accounting (non-business)  
AC4305 Financial Information Analysis  
AC4315 Intermediate Accounting 1  
AC4407 Intermediate Accounting 2  
AC4417 Management Accounting 1

### *AGRIBUSINESS*

AG4307 Agribusiness

### *COMMUNICATIONS*

CM4203 Communications for Business

### *ECONOMICS*

EC4003 Intermediate Microeconomics  
EC4035 Economics of Integration  
EC4093 Intermediate/Managerial Economics  
EC4101 Microeconomics  
EC4111 Microeconomics (non business)  
EC4307 Econometrics  
EC4315 Agricultural Economics/Food Industry  
EC4325 International Economics  
EC4333 Economics of European Integration  
EC4407 Ireland in the World Economy  
EC4417 Industrial Economics  
EC4427 Managerial Economics  
EP4003 Entrepreneurship and Innovation  
EP4407 Enterprise Development  
EP4607 Product Design & Development

### *FINANCE*

FI4003 Finance  
FI4005 Advanced Corporate Finance  
FI4407 Financial Institutions & Markets  
FI4417 Financial Strategy

### *INSURANCE*

IN4003 Principles of Risk Management  
IN4005 Risk Analysis  
IN4015 Risk and Insurance  
IN4407 Risk Analysis  
IN4417 Risk and Insurance  
IN4427 Insurance Organisations & Markets  
IN4725 Risk and Insurance  
IN4735 Insurance Organisations

*MANAGEMENT*

MG4031 Management Principles  
MG4035 International Management  
MI4001 Information Management 1

*MARKETING*

MK4005 Marketing Intelligence  
MK4025 Marketing Communications  
MK4437 Channel Management & Retailing  
MK4447 Product & Services Marketing  
MK4457 Selling & Sales Management  
MK4603 Marketing (Non-Business)  
MN4003 Project Management

PM4003 Human Resource Management 1  
PM4005 Management Consulting  
PM4015 Employment Relations 2  
PM4407 Industrial Relations 2  
PM4417 Personnel Management Practice  
PM4427 Employment Development 1  
PM4603 Employee Relations for Engineering /Science  
PM4613 Personnel Management 1  
PM4623 Organisational Behaviour & Design

TX4305 Taxation Theory and Practice

**ARTS, HUMANITIES, and SOCIAL SCIENCE**

*IRISH STUDIES*

EH4111 The Irish Literary Revival  
GA4105 Irish Folklore 1  
EH4158 From James Joyce to Maeve Brennan: 20th century Irish Fiction  
HI4053 Ireland: 1750-1850  
MU4135 Irish Traditional Music1

*CULTURAL STUDIES*

CU4111 Cultural Studies 1: Introduction  
CU4127 Cultural Studies 5: Comparative Literature

*ENGLISH*

EH4102 Introduction to Literature  
EH4113 Romanticism  
EH4118 Literary Theory  
EH4158 From James Joyce to Maeve Brennan: 20th century Irish Fiction  
EH4145 American Literature

EH4148 Science Fiction: literature and film

*FRENCH*

FR4141 French Language and Society 1: Introduction to French Studies  
FR4143 French Language and Society 3: Education and Work Environment in France  
FR4147 French Language and Society 5: France, Europe and Beyond  
FR4241 French Language, Culture and Society 1: Introduction to French Studies  
FR4243 French Language, Culture and Society 3:  
FR4247 French Language, Culture & Society 5  
FR4321 French for Business 1  
FR4323 French for Business 3  
FR4421 French for Engineering/Science 1  
FR4423 French for Engineering/Science  
FR4512 French for Computing 2  
FR4621 French Literature and Culture 1: Twentieth-Century Literature in French 1: 1900-1945  
FR4623 French Literature & Culture 3: The Enlightenment in France  
FR4627 French Literature and Culture 5: Intellectual Movement  
FR4921 French for Business 1 (Advanced)  
FR4923 French for Business 3 (Advanced)  
FR4925 French for Business 5 (Advanced)  
FR4927 French for Business 7 (Advanced)

*GAELIC*

GA4105 Irish Folklore 1  
GA4115 Irish Language 1  
GA4133 Litríocht agus Saíocht 1 : 1890-1940  
GA4138 Litríocht agus Saíocht 4: Schribhneoiri na Gaeltac\*  
GA4141 Teanga, Sochai agus Saíocht 1  
GA4143 Teanga, Sochai agus Saíocht 3  
GA4147 Teanga, Sochai agus Saíocht 5  
GA4153 Litríocht agus Saíocht 1250-1690

*GERMAN*

GE4141 German Language & Society 1: Introduction to German Studies  
GE4143 German Language & Society 3: Living and working in Germany  
GE4147 German Language & Society 5: Germany, Europe and Beyond  
GE4241 German Language, Culture & Society 1  
GE4243 German Language, Culture & Society 3  
GE4247 German Language, Culture & Society 5  
GE4321 German for Business 1  
GE4323 German for Business 3  
GE4411/GE4511 German for Engineering/Science 1 (Beginners)  
GE4421 German for Engineering/Science 1 (Advanced)  
GE4423 German for Engineering/Science 3 (Advanced)  
GE4513 German for Engineering/Science 3 (Beginners)  
GE4621 German Literature and Culture 1: Introduction to German Literature  
GE4623 German Literature & Culture 3: Romanticism, its Background and its Legacy  
GE4627 German Literature and Culture 5: Aspects of 20th Century Writing in German  
GE4921 German for Business 1 (Advanced)  
GE4923 German for Business 3 (Advanced)  
GE4925 German for Business 5 (Advanced)  
GE4927 German for Business 6 (Advanced)

*GEOGRAPHY*

GY4013 Social & Urban Geography  
GY4016 Economic Geography

GY4031 Introduction To Human Geography

*HISTORY*

HI4007 Historiography  
HI4031 Early Modern Europe and Ireland  
HI4041 Diplomacy, Government and the State, 1560-1660  
HI4043 Europe: Enlightenment and Revolution, 1715-1848  
HI4053 Ireland: 1750-1850

*JAPANESE*

JA4511 Japanese for Engineering/Science 1  
JA4513 Japanese for Engineering/Science 3  
JA4911 Japanese for Business 1  
JA4913 Japanese for Business 3  
JA4915 Japanese for Business 5  
JA4917 Japanese for Business 7

*LAW*

LA4001 Legal System and Method  
LA4022 Commercial Law  
LA4035 Labour Law  
LA4111 Contract Law 1  
LA4211 Criminal Law 1  
LA4310/LA4330 Law of Torts 1  
LA4410 Public Law 1  
LA4510 Law of Business Association  
LA4610 Land Law 1  
LA4620 Land Law 2  
LA4713/LA4723 Law of European Institutions  
LA4810 Equity and Trusts 1  
LA4901 Principles of Law

*LINGUISTICS*

LI4113 Language Technology  
LI4211 Linguistics 1

*PUBLIC ADMINISTRATION*

PA4012 Paragovernmental Organisations  
PA4017 Sub National Government in Europe: Challenge and Change  
PA4021 Ideas & Concepts in Public Administration  
PL4017 Regional Development

*POLITICAL SCIENCE*

PO4011 Introduction to Government & Politics  
PO4018 International Relations  
PO4023 Comparative European Politics  
PO4027 International Organisations & Global Governance  
PO4028 The Politics of Ethnic Conflict  
PO4032 Russian Politics  
PO4077 Nations and nationalism in the modern world

*SOCIOLOGY*

SO4001 Introduction to Sociology  
SO4018 Dependency, Development and Change  
SO4028 Qualitative Research Methods  
SO4033 Sociology of Media

SO4048 Women, Welfare and the State  
SO4053 Investigating Social Reality

### *SPANISH*

SP4131 Spanish for Beginners 1  
SP4133 Spanish for Beginners 3  
SP4141 Spanish Language and Society 1: Introduction to Spanish Studies  
SP4143 Spanish Language and Society 3: Education, Work and Business in Spain and Latin America  
SP4147 Spanish Language and Society 5: Spain Europe and Beyond  
SP4231 Spanish Language, Culture & Society 1 (Beginners)  
SP4233 Spanish Language, Culture & Society 3 (Beginners)  
SP4241 Spanish language, culture & Society 1 (Advanced)  
SP4243 Spanish Language, Culture & Society 3 (Advanced)  
SP4247 Spanish Language, Culture & Society 5 (Advanced)  
SP4321 Spanish for Business 1  
SP4323 Spanish for Business 3  
SP4621 A Culture of Transition: Spanish Film and Literature  
SP4623 The Spanish Golden Age  
SP4627 Twentieth Century Trends in Hispanic Literature  
SP4921 Spanish for Business 1  
SP4923 Spanish For Business 3  
SP4925 Spanish for Business 5  
SP4927 Spanish for Business 7

### *WRITING*

TW4115 Technical Writing1

### *WOMEN'S STUDIES*

WS4003 Contemporary Womens Writing  
WS4011 Feminist Perspectives: An Introduction  
WS4018 Gender, Identity, Culture, Society

### **EDUCATION and HEALTH SCIENCES**

EN4001 Introduction to Teaching  
EN4003 The Planning & Management of Classroom Learning  
EN4005 Education & Society in Ireland  
EN4007 Studying School Organisation  
PY4011 Physical Education Curriculum and Assessment  
PY4031 Foundations of Teaching and Learning Physical Education  
PY4041 Applied Studies in Health Related Activity/Aquatics  
PY4043 Applied Studies in Athletics/Aquatics  
PY4053 Philosophy and Aesthetics in Physical Education  
PY4054 Applied Studies in Outdoor Adventure Education  
PY4063 Applied Studies in Dance / Gym  
PY4045 Applied Studies in Dance/Games  
PY4055 Sociological Concepts of Teaching and Learning in Physical Education  
PY4065 Integrated and Inclusive Physical Education  
SS4104 Psychology 3: The Psychology of Sport and Exercise  
SS4105 Psychology 4 Analysis of Motor Skill Performance  
SS4202 Physiology 1: Introduction to Human Physiology  
SS4203 Physiology 1: Introduction  
SS4205 Physiology 3: Physiological Monitoring  
SS4207 Physiology 4: Nutrition, Fluid and Electrolyte Balance  
SS4302 Biomechanics 1: Kinesiology of Movement

SS4305 Biomechanics 3  
SS4308 Biomechanics 5 (3d analysis of sports activities)  
SS4401 Coaching Science and Performing 1  
SS4403 Sports & Exercise Applications 3  
SS4407 Sport and Exercise Applications 6

## **SCIENCE and ENGINEERING**

BC4401 Introduction to Industrial Biochemistry  
BC4405 BioProcess Technology 1  
BC4705 Industrial Biochemistry 1  
BC4803 Microbial Technology 1  
BC4825 Microbial Technology 2  
BC4903 Biochemistry 1 (Bio molecules)  
BC4905 Biochemistry 4 (Genetic Engineering)  
BC4907 Biochemistry 6 (Cell Biochemistry)  
BC4947 Immunology  
BC4957 Bio informatics in Genetic & Protein Analysis  
BC4967 Biochemistry 7: Research Methods  
BY4001 Biology 1  
BY4003 Biology 3  
BY4005 Vertebrate Structure and Function  
BY4006 General Biochemistry  
BY4011 General Biology  
BY4013 General Microbiology  
BY4205 Agriculture 1  
BY4215 Soil Science  
CH4003 Physical Chemistry 2 (Spectroscopy and advanced Kinetics)  
CH4005 Physical Chemistry 4 (Electrochemical Applications & Technology)  
CH4055 Environmental Catalysis  
CH4103 Organic Chemistry 2  
CH4107 Industrial Process Chemistry 1  
CH4153 Organic Chemistry 2B  
CH4203 Inorganic Chemistry 2  
CH4253 Inorganic Chemistry 2B  
CH4303 Analytical Chemistry 1  
CH4305 Analytical Chemistry 3  
CH4405 Process Technology 2  
CH4407 Process Technology 4  
CH4415 Process Technology 3  
CH4417 Pharmaceutical Formulation  
CH4701 General Chemistry 1  
CH4751 Introductory Chemistry  
CH4807 Computational Chemistry  
CH4817 Quantum Chemistry  
ER4101 Systematic Environmental Science  
ER4405 Conservation Ecology  
ER4407 Environmental Management 1  
ER4417 Environmental Impact Assessment  
ER4428 Utilisation of Non-Renewable Resources  
ER4438 Environmental Fate Modelling  
ER4507 Effluent Control Waste Management 1  
ER4607 Clean Technology 1  
ER4627 Safety and Industry  
ER4707 Monitoring and Research Methods  
ER4708 Biometrics

EQ2001 Horsemanship 1 Δ  
 EQ2003 Horsemanship 3 Δ  
 EQ2101 Horsemanship 1A Δ  
 EQ2103 Horsemanship 3A Δ  
 EQ4001 Principles of Equitation Δ  
 EQ4003 Equine Exercise Science 2 Δ  
 EQ4005 Equine Performance  
 EQ4007 Equine Competition 1 Δ  
 EQ4017 Equine Teaching Principles 1 Δ  
 EQ4026 Advanced Riding Techniques and Problem Analysis Δ  
 EV2001 Irish Horse Industry  
 EV3005 Equine Breeding and Genetics  
 EV4005 Grassland and Grazing Management  
 EV4013 Equine Physiology  
 EV4015 Equine Health and Disease  
 EV4017 Equine Pharmacology  
 FT4105 Food Process Engineering 1  
 FT4107 Food Process Engineering 2  
 FT4411 Introduction to Food Science and Technology  
 FT4415 Food Technology 2  
 FT4417 Food Technology 3  
 FT4427 Food Technology 4  
 FT4437 Milk Proteins as Food Ingredients  
 HC4305 Land and Landscape Management  
 PH4011 Physics for Engineers  
 PH4031 Physics for General Science 1  
 PH4017 Medical Physics  
 PH4101 Physics 1 (Mechanics and Heat)  
 PH4103 Physics 6 (Mechanics)  
 PH4131 Mechanics/Heat/Electricity/Magnetism  
 PH4141 Principles of Physics  
 PH4151 Experimental Physics 1  
 PH4203 Applied Optics 1  
 PH4218 Optical Fibre Communications  
 PH4301 Physics 2 (Electricity and Magnetism 1)  
 PH4308 Applied Electromagnetics  
 PH4401 Physics 3 (modern physics)  
 PH4403 Physics 7 (Quantum)  
 PH4511 Introduction to Physics  
 PH4607 Solid State Physics 1  
 PH4705 Instrumentation 2  
 PH4805 Industrial Physics B  
 PH4808 Industrial Physics A

**Note:** Δ Students who want to join one of the following Equine modules: EQ2001, EQ2101, EQ2003, EQ2103, EQ4001, EQ4003, EQ4002, EQ4007, EQ4017, EQ4026, EQ2002, EQ2102, EQ3006, EQ4004, EQ4008, EQ4018 should note that resource and scheduling constraints limit places, therefore, we cannot guarantee enrolment. Available places are allocated to Equine Science majors first and are subject to interview and/or skills assessment. It is unlikely that any student will be able to enrol for more than one of these modules. Students who want to join one of these modules are also required to enrol for one of; EV2001, EV4005, EV3005, EV4013, EV4015, EV4005, EV4017, EV4008, EV4012, EV4014, EV4022

## **ENGINEERING**

ID4811 Industrial Design 1

IE4115 Introduction to Industrial Engineering  
IE4218 Operations Management 2  
IE4318 Plant Reliability and Maintenance  
IE4417 Ergonomics  
IE4518 Engineering Psychology  
IE4711/MF4711 Manufacturing Integration

ME4111 Engineering Mechanics 1  
ME4113 Applied Mechanics  
ME4117 Vibration Analysis  
ME4121 Engineering Science 1  
ME4213 Mechanics of Solids 1  
ME4216 Aircraft Structures 1  
ME4217 Mechanics of Solids 3  
ME4223 Fundamentals of Aerospace Engineering  
ME4227 Aircraft Structures  
ME4238 Maintenance Technology  
ME4417 Boundary Layer Theory  
ME4418 Thermofluids Design  
ME4427 Medical Device Design And Placement  
ME4428 Aerodynamics 2  
ME4517 Energy Management  
ME4523 Thermodynamics 1  
ME4527 Thermodynamics 3  
ME4528 Propulsion Systems  
ME4611 Computing  
ME4662 Computing 2  
ME4717 Control Engineering 2  
ME4727 Stability and Control  
ME4813 Design 1  
ME4817 Aircraft Systems Design  
ME4827 CAD 3-D

MF4111 Production Processes  
MF4712 Operations Integration  
MF4713 Work Design and Measurement  
MF4717 Modelling & Control of Dynamic Systems  
MF4723 Organisational Psychology  
MF4724 Machine Design  
MF4727 Operations Management 3  
MF4733 Manufacturing Information systems  
MF4737 Automation Engineering 2  
MF4747 Material Forming 1

MT4003/MT4013 Polymer Science  
MT4017 Biomaterials 1  
MT4101 Introduction to Materials  
MT4103 Materials Science 2  
MT4105 Quality Systems  
MT4107 Composite Materials  
MT4202 Engineering Science/Mechanics of Solids  
MT4205 Failure Processes (including FM)  
MT4207 Failure and Damage Analysis  
MT4208 Materials Selection & Design  
MT4217 Optical Fibre  
MT4303 Materials Science 3

MT4305 Advanced Analytical Techniques  
MT4707 High Performance Materials  
MT4717 Aerospace Materials  
MT4804 Ceramics and Glass Science 1  
MT4805 Ceramics & Glass Science 2  
MT4903 Engineering Materials 2  
MT4905 Materials Technology 4  
MT4907 Polymer Chemistry  
MT4923 Materials Technology 2  
MT4943 Materials processing

PE4118 Forming & Cutting of Engineering Materials 2  
PE4216 Machine Tool Design & Control  
PE4228 Production Equipment Design 2  
PE4317 Automation Technology 2+  
PE4318 Automation Technology 3

PN4015 Design & Technology 2  
PN4111 Introduction to Material Processing  
PN4003 Process Technology 2  
PN4005 Engineering Design Graphics 1  
PN4115 Process Technology 3  
PN4213 Technical Graphics  
PN4215 Technical Graphics & CAD

PT4111 Manufacturing Technology 1  
PT4113 Measurement & Inspection  
PT4115 Manufacturing Technology 4  
PT4117 Manufacturing Technology 5  
PT4121 Communication Graphics  
PT4315 Productivity Methods 3  
PT4317 Production Methods 4  
PT4323 Productivity Methods 1A  
PT4423 2D CAD  
PT4427/MF5051 Design for Manufacture  
PT4515 Automation T1  
PT4517 Automation T 2  
PT4617 Reliability Technology

WT4003 Construction, Technology and Management 2  
WT4005 Architectural Technology: Heritage and Design  
WT4101 Wood Technology and Processes  
WT4103 Wood Technology and Design 1  
WT4105 Wood Science 3  
WT4107 Pulp, Fibre and Board Manufacture 1  
WT4203 Furniture Design  
WT4213 Technical Graphics  
WT4303 Machining Technology 1  
WT4305 Machining Technology 3  
WT4315 Harvesting and Sawmill Technology  
WT4401 Construction Technology and Management 1  
WT4403 Process Technology 2 (Wood)  
WT4201 Wood Technology 1  
WT4405 Wood Technology 2  
WT4503 Structural Mechanics  
WT4505 Building Economics

WT4603 Wood Processing Safety and Practice  
WT4905 Building Construction

### **COMPUTER SCIENCE, ELECTRONICS, and MATH**

CE4205 Microcomputer Systems  
CE4517 Digital Systems 6  
CE4607 Computer Networks 1  
CE4701 Computer Software 1  
CE4703 Computer Software 3  
CE4707 Software Engineering  
CE4717 Language Processors  
CE4808 Computer Graphics  
CE4817 Digital Signal Processing 1  
CE4818 Digital Signal Processing 2

CS4003 Information Society 1 : Social Theories of New Media  
CS4007 Information Society 2: The Information and Knowledge Society  
CS4013 Object Oriented Development  
CS4023 Operating Systems  
CS4027 Information Retrieval & Knowledge Representation  
CS4031 Introduction to Digital Media  
CS4033 Information Flows in Business  
CS4035 Computer Graphics Tools and Technique  
CS4111 Computer Science 1  
CS4113 Object Oriented Programming  
CS4115 Data Structures and Algorithms  
CS4125 Systems Analysis and Design  
CS4135 Software Architectures  
CS4145 Operating Systems Overview  
CS4257 Software Quality  
CS4211 Computer Organisation 1  
CS4218 Telecom Networks Architectures  
CS4225 Computer Networks  
CS4318 Software Engineering 5+  
CS4411 Imperative Programming  
CS4417 Systems analysis  
CS4418 Advanced Database Systems  
CS4456 Information Systems in Organisations  
CS4513 Introduction to Systems Analysis  
CS4516 Programming Language Technology 2  
CS4557 E-Commerce and Internet Applications  
CS4567 Component Based Software Engineering  
CS4613 Information Systems in Context  
CS4703 Language Programming II  
CS4815 Computer Graphics  
CS4826 Human Computer Interaction  
CS4913 Business Information Systems  
CS4828 Computer Integrated Manufacturing +  
CS4838 Advanced Topics in Software Engineering 2  
CS4848 Software Re-Engineering; Objectives and Methods  
CS4868 Machine Learning  
CS4925 Business Information Technology 1  
CS4926 Business Information Technology 1

EE4001 Electrical Engineering

EE4003 The Engineer as a Professional  
EE4101 Electrical Science 1  
EE4113 Circuit Analysis 1  
EE4115 Systems Analysis  
EE4207 Industrial Automation  
EE4313 Active Circuit Design 1  
EE4317 Active Circuits Design 4  
EE4328 Power Electronics  
EE4407 ASICS 1  
EE4427 Semiconductor Technology 1  
EE4511 Digital Systems 1  
EE 4513 Digital Systems 3  
EE4607 Telecommunication Systems 1  
EE4817 Signals & Systems 2

ET4001 Introduction to Technology  
ET4005 Electronic Instrumentation  
ET4007 Test Engineering 1  
ET4023/ET4223 Embedded Software 1  
ET4033/ET4233 PCB Design  
ET4043/ET4243 Web and Database Technology 2  
ET4044/ET4244 Outcome Based Learning Laboratory 2  
ET4063/ET4263 Java Programming 1  
ET4101 Electrotechnology 1  
ET4103 Electrotechnology 3  
ET4111 Electrotechnology ID  
ET4121 Laboratory Skills 1  
ET4131 Introduction to Computer Programming  
ET4141 Analogue Electronics 1  
ET4203 Analogue Electronics 3  
ET4205 Intelligent Instrumentation Systems  
ET4213 Digital Electronics 3  
ET4214 Electronic Production 1  
ET4215 Electronic Production 2  
ET4225 Industrial Automation  
ET4235 Control Engineering  
ET4151 Digital Electronics 1  
ET4315 Robotics 2  
ET4325 Programmable Logic  
ET4335 Protocols Laboratory  
ET4345 Operating Systems 2  
ET4355 Java Programming 3  
ET4365 Communications and Networking 2  
ET4407 Electronics and the Environment  
ET4437 Distributed Computing and Java  
ET4448 Communication and Networking 4  
ET4513 Digital Systems 1  
ET4613 Telecommunications Systems 1  
ET461 Telecommunications Systems 3  
ET4701 Introduction to Computing  
ET4703 Computer. Programming 2  
ET4727 Artificial Intelligence & Expert Systems  
ET4807 Digital Signal Processing

MA4001 Engineering Mathematics 1  
MA4003 Engineering Mathematics 3

MA4005 Engineering Maths T1  
MA4007 Experimental Design  
MA4103 Business Mathematics 2  
MA4125 Introduction to Computer Aided Data Analysis  
MA4402 Computer Maths 2  
MA4403 Computer Maths 3  
MA4505 Applied Statistics for Administration 1  
MA4601 Science Mathematics 1  
MA4603 Science Mathematics 3  
MA4605 Chemometrics  
MA4607 Introduction to Applied Mathematical Modelling in Continuum  
MA4701 Technological Mathematics 1  
MA4707 Quality Management  
MA4713 Technological Mathematics 3A  
MA4715 Technological Mathematics 5A  
MA4802 Business Mathematics 1

MB4001 Algebra 1  
MB4005 Analysis

MS4002 Calculus 2  
MS4007 Mathematical Methods 1  
MS4008 Maths Methods 2  
MS4013 Linear Analysis  
MS4021 Calculus 1  
MS4025 Applied Analysis  
MS4101 Mathematical Laboratory  
MS4102 Linear Algebra 1  
MS4105 Linear Algebra 2  
MS4118 Discrete Maths 3  
MS4117 Discrete Mathematics 2  
MS4131 Linear Algebra 1  
MS4213 Probability Theory  
MS4214 Statistical Inference  
MS4215 Advance Data Analysis 4  
MS4217 Stochastic Processes  
MS4308 Optimisation & Control 2  
MS4315 Operations Research 2  
MS4403 Ordinary Differential Equations  
MS4407 Perturbation techniques and asymptotics  
MS4517 Theory of Mathematical Finance  
MS4613 Vector Analysis  
MS4627 Topics in Fluid Dynamics

TA4001 Introduction to Science & Technology 1  
TA4003 Introduction to Science & Technology 3