

# PG Courses open to Inbound NG students in AY2026/AY2027 Semester 1

**Note: PG Courses offered by the below Schools are not available to exchange students:**

Updated 9 April 2026

- 1 Nanyang Business School (NBS)
- 2 School of Electrical and Electronic Engineering (EEE)
- 3 School of Materials Science and Engineering (MSE)
- 4 Wee Kim Wee School of Communication & Information (WKWSCI)

School	Course Code	Course Title	AUS	Remarks
ADM	AP7036	Narrative Strategies & Moving Images	3	
ADM	AP7046	Design: An Asian Perspective	3	
ASE	ES7029	GIS and the Earth System	3	
ASE	ES7010	Introduction to Geochemistry	3	
ASE	ES7021	Space Geodesy	3	
ASE	ES7030	Natural Infrastructure for Resilient Urban Systems	3	
ASE	ES7024	Global Change Ecology	3	
ASE	ES7028	Experimental Design & Analysis for Ecology	4	
ASE	ES7025	Biogeochemistry	3	
ASE	ES7001	Natural Hazards and Society	3	
ASE	ES7005	Environmental Earth System Science	3	
CCDS	CE6190	Special Topic- Recent Advance on Visual Understanding and Generation	3	
CCDS	CE7429	Computational Intelligence: Methods & Applications	3	Exam 20 Nov 2026
CCEB	CM6800	Graduate Seminar	4	Offered in Trimester 1
CCEB	CM6801	Academic Communication (Chemistry)	0	Offered in Trimester 1
CCEB	CM6810	Advanced Chemical Instrumentation	2	Offered in Trimester 1
CCEB	CM6890	Research for M.Sc. I	6	
CCEB	TP6202	Technology Commercialisation	3	Offered in Trimester 1
CCEB	CM6820	Graduate Basic and Technical Inorganic Chemistry	2	
CCEB	CM6832	Drug Discovery and Development	4	
CCEB	CM6850	Graduate Chemical Biology	4	
CCEB	CM6840	Advanced Analytical and Spectroscopic Methods in Materials Chemistry	2	
CCEB	CM6841	Advanced Synthetic and Physical Approaches to Materials Chemistry	2	
CCEB	CM6842	Applications of Artificial Intelligence in the Chemical Sciences	3	
CCEB	CM6860	Advanced Nanoscience and Nanotechnology	3	
CCEB	CM6862	Advanced Analytical & Manufacturing Techniques in Pharmaceutical Industry	3	
CCEB	CM6811	Advanced Techniques for Structural Determination	3	
CCEB	CM6812	Analytical Chemistry in Industry	2	
CCEB	CM6830	Transition Metal Catalysed Reactions for Organic Synthesis	4	
CCEB	CM6831	Graduate Life Science Organic Chemistry	2	
CCEB	CM6843	Computational Chemistry for Molecular Modelling	2	
CCEB	CM6844	Scientific Computing with Python	2	
CCEB	CM6861	Advanced Topics in Environmental Sciences and Sustainable Development	3	
CCEB	CM6865	Graduate Internship	3	
CCEB	CM6891	Research for M.Sc. II	3	
CCEB	CH6230	Advanced Reaction Engineering	3	Offered in Trimester 1
CCEB	CH6240	Advanced Chemical Engineering Thermodynamics	3	Offered in Trimester 1
CCEB	CH6250	Advanced Mathematical Methods for Chemical Engineering	3	
CCEB	CH6260	Advanced Process Control	3	
CCEB	CH6241	Catalyst Design and Development	3	
CCEB	CH6400	Electrochemistry and electrocatalysis	3	
CCEB	CH6410	Nanocatalysis	3	Offered in Trimester 1
CCEB	CH6420	Renewable Energy and Fuels <New>	3	
CCEB	CH6270	Sustainable Pharmaceutical Technology	3	
CCEB	CH6280	Pharmaceutical Formulations	3	Offered in Trimester 1
CCEB	CH6281	Case Studies on Pharmaceutical Manufacturing Deviations for Chemical and Bio	3	
CCEB	CH6500	Analytical Techniques and Food Safety <New>	3	
CCEB	CH6501	Human Nutrition - Food Structure, Metabolism, Digestion & Health <New>	3	
CCEB	CH6502	International Food Regulation - Impact of Marketing, Nutrition, Environment an	3	

# PG Courses open to Inbound NG students in AY2026/AY2027 Semester 1

**Note: PG Courses offered by the below Schools are not available to exchange students:**

Updated 9 April 2026

- 1 Nanyang Business School (NBS)
- 2 School of Electrical and Electronic Engineering (EEE)
- 3 School of Materials Science and Engineering (MSE)
- 4 Wee Kim Wee School of Communication & Information (WKWSCI)

School	Course Code	Course Title	AUS	Remarks
CCEB	CH6503	Introduction to Food Toxicology and Risk Assessment <New>	3	
CCEB	CH6202	Project Management for Engineers	3	
CCEB	CH6320	Industrial Safety and Operational Excellence	3	
CCEB	CH6310	Chemical Process Simulation and Technoeconomic Analysis	3	
CCEB	CH6265	Industrial case studies	3	Offered in Trimester 1
CCEB	CH6490	Process Design, Optimization and Supply Chain	3	
CCEB	BG6022	BG6022 Lab Attachment	0	
CCEB	BG6023	BG6023 MSc Research I	3	
CCEB	BG6024	BG6024 MSc Research II	3	
CCEB	BG6025	BG6025 Professional Internship	3	
CCEB	BG6006	Polymeric Materials for Biomedical Applications	3	Offered in Trimester 1
CCEB	BG6007	Advanced Biomedical Instrumentation	3	Offered in Trimester 1
CCEB	BG6008	3D Printing for Biomedical Applications	3	Offered in Trimester 1
CCEB	BG6009	Introduction to Project Management in the Health and Biomedical Sector	3	
CCEB	BG6013	Data Analytics for Biomedical Applications	3	
CCEB	BG6019	Genome Technologies	3	
CCEB	BG6820	Digital Twin of Human: Enabling Precision Health	3	
CCEB	BG6010	Biomedical Device Regulatory Systems	3	
CCEB	BG6011	Microfluidics and Lab-On-Chip for Chemical & Biomedical Applications	3	
CCEB	BG6012	In Vitro Diagnostics and Bionanotechnology	3	
CCEB	BG6810	Bioimaging Analysis	3	
CCEB	BG6015	Engineering in Mechanobiology	3	
CCEB	BG6016	Drug Delivery and Nanomedicine	3	
CCEB	BG6017	Biomedical Entrepreneurship	3	Offered in Trimester 1
CCEB	BG6018	Tissue Engineering and Regenerative Medicine	3	
CCEB	BG6830	Quantitative Methods for Bioengineering	3	
CCEB	BG6021	Academic Communications	0	
CCEB	BG6026	Professional Internship II	3	
CCEB	CH6430	Data Mining in Chemical Engineering and Bioengineering	3	
CCEB	CH6440	Introduction to Optimization Using AI in Chemical Engineering	3	
CCEB	CH6450	Molecular Modelling	3	
CCEB	CH6460	AI for Chemical Sciences	3	
CCEB	CH6470	Computational Design of Catalysts	3	
CCEB	CH6480	Computational Material Sciences	3	
CCEB	CH6510	Physics-Informed Machine Learning in Engineering Applications	3	
CCEB	CH6520	Applications of Modelling and Simulation in Pharmaceutical Processes	3	
CCEB	CH6530	Data-Driven Computational Fluid Dynamics for Chemical Engineering Applications	3	
CCEB	CH6540	Project Management in Digital World	3	
CCEB	CH6550	MSc Research on Chemical Modelling I	3	
CCEB	CH6551	MSc Research on Chemical Modelling II	3	
CCEB	CH6552	Professional Internship I	3	
CCEB	CH6553	Professional Internship II	3	
CCEB	CH6554	Lab Rotation	0	
CCEB	CH6555	Academic Communications	0	
CCEB	BG6901	Advanced Biomaterials	3	Priority will be given to our PG students before slots are made available to exchange students.
CCEB	CM7007	Graduate Seminar Module (I)	4	Tentative: subject to the outcome of the curriculum revamp. If the course is offered, the vacancies are limited and priority is given to our PG students before slots are made available to exchange students.

# PG Courses open to Inbound NG students in AY2026/AY2027 Semester 1

**Note: PG Courses offered by the below Schools are not available to exchange students:**

Updated 9 April 2026

- 1 Nanyang Business School (NBS)
- 2 School of Electrical and Electronic Engineering (EEE)
- 3 School of Materials Science and Engineering (MSE)
- 4 Wee Kim Wee School of Communication & Information (WKWSCI)

School	Course Code	Course Title	AUS	Remarks
CEE	CV7001	Finite Element Methods	3	
CEE	CV7502	Aquatic Chemistry	3	
MAE	MA6513	Advanced Design For Manufacturing	3	
SBS	BS7002	Tools For Structural and Computational Biology	3	
SBS	BS7003	Graduate Seminar Course	3	Class size is 30 so if exceeded, we will not approve the course for exchange student
SBS	BS7020	Drug discovery : An odyssey from the laboratory to the market	3	Class size is 40 so if exceeded, we will not approve the course for exchange student
SoH	HC7003	Special Topics in Chinese Overseas & Their Relations with China	3	This course is conducted in Chinese.
SoH	HC7016	Chinese Cold War in Sinophone Literature, Film and Culture	3	- This course is conducted in Chinese. - Students enrolling in this course must be proficient in both Chinese and English. Advanced-level Chinese proficiency is essential, including the ability to speak, write, and comprehend Chinese fluently.
SoH	HH7101	Approaches to the past	3	Nil
SoH	HL7108	Graduate Seminar in Victorian Literature & Culture	3	Requires background in literary studies.
SoH	HL7114	Graduate Seminar in Cultural Studies	3	Requires background in literary, film, media, art history or other humanistic studies.
SoH	HR7003	Advanced Studies in Southeast Asian Art Histories	3	Requires background in Art History or related field.
SPMS	MH7002	Discrete Methods	4	
SPMS	MH7003	Algebraic Methods	4	
SPMS	MH7005	Algorithms and Theory of Computing	4	
SPMS	MH7011	Topics in Scientific Computation II	4	Not open to UG exchange students
SPMS	MH7013	Topics in Probability and Statistics II	4	
SPMS	MH7018	Graduate Seminar - Pure Mathematics I	4	
SPMS	MH7022	Topics in Nonparametric Estimation	4	
SPMS	PH7001	Graduate Seminar Module I	4	Only for PhD students majoring in Physics
SPMS	PH7003	Graduate Solid State Physics	4	
SPMS	PH7014	Optical Spectroscopic Techniques	4	
SPMS	PH7021	Quantum Information	4	
SPMS	PH7027	Plasma Physics and Fusion Energy	4	
SPMS	PH7028	Nanophotonics	4	
SSS	HE7002	Econometrics I	3	Open to Inbound PhD NG students
SSS	HE7101	Seminar In Microeconomics	3	Open to Local Exchange Programme NTU-SMU-NUS etc only