

- A. Courses from the Colleges/Faculties/Schools/Institutes/Departments below are **NOT** open to any Non-Graduating applicants/ students.

- Faculty of Dentistry
- Yong Loo Lin School of Medicine (Course codes that do not start with LSM only)
- Saw Swee Hock School of Public Health (Graduate courses only)
- Alice Lee Centre for Nursing Studies
- Institute of Systems Science
- All courses in NUS self-funded programmes (click [here](#))

Non-Graduating Exchange or Non-Exchange applicants/ students who have been approved (on exceptional basis) to read any Course in the list above will be required to pay tuition fee for each Course, as determined by the respective College/Faculty/School/Institute/Department. Please browse their respective website for contact information. A list can be found [here](#).

- B. The Course codes below with suffix 'X' are **NOT** available to Non-Graduating applicants/ students.

- | | |
|-----------|-----------|
| • CM1417X | • NM1101X |
| • CM1502X | • PC1221X |
| • CS1010X | • PC1222X |
| • MA1301X | |

- C. Undergraduate Research Opportunities Programme offered by the College/ Faculty/ School below are **NOT** available to Non-Graduating applicants/ students.

- a. Arts & Social Sciences
- b. Design & Engineering

- D. The first of four digits in the Course code denotes the level of the Course. For example, 1000 indicates a Level 1000 Course.

- a. Level 1000 to 4000 are considered undergraduate courses
- b. Level 5000 and 6000 are considered graduate courses and are **NOT** available to exchange students unless specified in the list below.

- E. Approval for any other courses not listed in this document will be granted on a case-by-case basis. If the courses cannot be found at the [Course offerings list](#), they are not available during application stage but may be available during [Course registration](#).

- F. Due to demand and space constraints, some Faculties/ Schools/ Programmes and their respective courses have limited or restricted access for Non-Graduating applicants/ students. Please click on the links below to view the list for the respective Faculty/ School/ Programme.

- [Arts & Social Sciences](#)
- [Business](#)
- [Computing](#)
- [Design & Engineering](#)
- [Law](#)
- [Music](#)
- [Public Policy](#)
- [Science](#)

- [University Scholars Programme](#)
- [NUS Risk Management Institute](#)
- [School of Continuing and Lifelong Education](#)

1. Arts & Social Sciences

Department : Centre for Language Studies

Course Code	Course Title
LAG3203	German for Academic Purposes
LAF3203	French for Academic Purposes
LAK3203	Korean for Academic Purposes

Other points to note:

- Language courses can be taken only on graded basis; cannot be set to audit grading basis.

Department : Chinese Studies

- All Level 4000, 5000 or 6000 courses are NOT open to Non-Graduating undergraduate students.

Department : Communications and New Media

Course Code	Course Title
NM2101	Theories of Communications and New Media
NM2103	Quantitative Research Methods
NM2104	Qualitative Communication Research Methods
NM4102	Advanced Communications and New Media Research

- All Level 4000 courses are NOT open to Non-Graduating students.
- All courses with the suffix 'Y' (e.g. NM2219Y) are NOT open to Non-Graduating students.

Department : Economics

- All Level 4000, 5000 or 6000 courses are NOT open to Non-Graduating undergraduate AND graduate students.
- All Level 1000, 2000 and 3000 courses are NOT open to Non-Graduating graduate students.

Department : English, Linguistics & Theatre Studies

Course Code	Course Title
TS3103	Play Production
TS3245	Professional Theatre Internship

Other points to note:

- All Level 4000, 5000, 6000 courses are NOT open to Non-Graduating undergraduate students.
- Level 5000 and 6000 **Graduate Courses** – Approval will be granted on a **case-by-case basis**. Only open to Non-Graduating graduate students.

Department : Geography

Courses with limited quota

Course Code	Course Title
GE2101	Methods and Practices in Geography
GE3216	Applications of GIS & Remote Sensing
GE3238	GIS Design and Practices
GE3252	Cartography and Geovisualization

Other points to note:

- All Level 1000, 2000, 3000 and 4000 courses are NOT open to Non-Graduating graduate students.
- All Level 4000, 5000 and 6000 courses are NOT open to Non-Graduating undergraduate students.

Department : History

Courses cross-listed with HY coded courses and with limited quota

Course Code	Course Title
AS2236	US Media in the 20th Century and Beyond
AS2237	The U.S.: From Settlement to Superpower
AS3230	American Business: Industrial Revolution-Web
AS3238	The Political History of the US
AS3239	The United States in the Asia-Pacific
AS3240	Making America Modern

Other points to note:

- All History (Honours) **Level 4000** courses and Freshmen seminar courses FMA120XH are NOT open to Non-Graduating students.

Department : Japanese Studies

Course Code	Course Title
JS2101	Approaches to Japanese Studies I
JS3101	Approaches to Japanese Studies II
JS4401	Honours Thesis
JS4660	Independent Study

Other points to note:

- All **Level 4000** courses – Approval will be done on a **case-by-case basis**.

Department : Malay Studies

- All courses cannot be audited.
- All **Level 4000** courses are only open to 3rd & 4th year Non-Graduating undergraduate students and Non-Graduating postgraduate students.
- **Graduate Courses** - Approval will be done on a **case-by-case basis**. Undergraduate students are NOT allowed to apply for graduate courses.

Department : Political Science

- All **Level 4000, 5000 or 6000** courses are NOT open to Non-Graduating undergraduate Students.

Department : Psychology

- **Level 4000** courses (excluding research courses) – Only appeals for courses with remaining availability will be considered, and will be reviewed on a case-by-case basis when the "Unable to secure Course" appeal type opens. Appeals submitted before that will be rejected.

Courses NOT available to NG students

- PL2131, PL2132, PL3231, PL3551
- PL328x (lab courses)
- All **Level 4000, 5000 and 6000** courses

Department : Social Work

- **Level 4000, 5000 or 6000** courses are NOT open to Non-Graduating undergraduate students

Department : Sociology and Anthropology

- All **Level 4000, 5000 or 6000** courses are NOT open to Non-Graduating undergraduate Students.
- **Graduate Courses** (Level 5000 or 6000 courses) - Only open to Non-Graduating graduate students and subject to approval.

Department : South Asian Studies

- All courses cannot be audited.
- All **Level 4000** courses are only open to 3rd & 4th year Non-Graduating undergraduate students and Non-

<p>Graduating postgraduate students.</p> <ul style="list-style-type: none"> - Graduate Courses - Approval will be done on a case-by-case basis. Undergraduate students are NOT allowed to apply for graduate courses. 	
Department : Southeast Asian Studies	
Courses <u>NOT</u> available to NG students	
Course Code	Course Title
SE2225	Forbidden Pleasures: Vice in Southeast Asia
SE4101	Southeast Asia Studies: Theory and Practice
SEA5XXX	All courses with the suffix 'SEA'
Other points to note:	
<ul style="list-style-type: none"> - All courses cannot be Audited. - SE3234 – Course is NOT open for online selection. Interested Non-Graduating students are required to submit application using the department's application form that is available during application period in the semester that the Course is offered. Please send an email to fasbox59@nus.edu.sg for more details. - All Level 4000 courses are only open to 3rd & 4th year Non-Graduating undergraduate students and Non-Graduating postgraduate students. - All other Level 5000 courses are only open to 4th year & postgraduate Non-Graduating students. - All Level 6000 courses are only open to all postgraduate Non-Graduating students. 	

2. Business

-	Level 1000 to 4000 courses: Please note that courses from the NUS Business School are extremely popular, over-subscribed and cannot be guaranteed. As such, priorities in allocating Business courses will be given firstly to our full-time NUS undergraduates who reading these Business courses as their core courses as well as exchange students from the Business School faculty-level exchange partners .
-	Students must also be majoring in business at their home university in order to be considered eligible for Business courses. If you have not been offered Business courses at the point of initial acceptance (first week of June or November), you will not be able to add the Course during the Submit Course Requests period.
-	Level 5000 courses with prefix BMA: Students who are pursuing an undergraduate degree at their home university are <u>NOT</u> eligible to apply for graduate (MBA) courses. Only students who are currently pursuing a graduate degree in the NUS Business School's faculty-level exchange partner universities AND have at least 1.5 years of post-bachelor work experience will be considered for admission to read MBA courses (i.e. Course codes with prefix BMA).
-	Level 5000 courses with prefix BMS: Only students who are nominated by a CEMS partner school for CEMS Master's in International Management programme will be considered for admission to read these courses.

3. Computing

Department : Dean's Office, School of Computing

Courses NOT available to NG students

Course Code	Course Title
CP1008	Learning with Generative AI Tools
CP2106	Independent Software Development Project (Orbital)
CP2202	Work Experience Internship
CP3107	Computing for Voluntary Welfare Organisations
CP3108A	Independent Work
CP3108B	Independent Work
CP3109	Overseas Exploratory Project
CP3110	Computing for Voluntary Welfare Organisations II
CP3200	Internship
CP3201	Industry Seminar
CP3202	Internship II
CP3209	Undergraduate Research Project in Computing
CP3880	Advanced Technology Attachment Programme
CP3881	Incubation Project
CP4101	BComp Dissertation
CP5010	Graduate Research Paper
CP5101	MComp Dissertation
CP5102	MComp Information Security Project
CP5103	Master of Computing Project
CP5105	Computing Capstone Project
CP5106	Computing Capstone Project (with Internship)
CP6010	Doctoral Seminar
IFS3201	Information Security Capstone Project

IFS3202	Information Security Practicum Programme
IFS4205	Information Security Capstone Project
XFC4101	Integrated Honours Thesis
UIS2951R	Independent Study Course (Ride-on)
UIS2952R	Independent Study Course (Ride-on)
UIS3951CS	Independent Study Course (Ride-on)
UIS3951R	Independent Study Course (Ride-on)
UIS3952CS	Independent Study Course (Ride-on)
UIS3952R	Independent Study Course (Ride-on)
UIS3953R	Independent Project
UIS3954R	Independent Study Course (Ride-on)
UIS3955R	Independent Study Course (Ride-on)
UIS3956R	Independent Study Course (Ride-on)
UIS3957R	Independent Study Course (Ride-on)
UIS3958R	Independent Study Course (Ride-on)
UIS4951R	Independent Study Course (Ride-on)
UIS4952R	Independent Study Course (Ride-on)
UIS4953R	Independent Study Course (Ride-on)
UIS5951R	Independent Study Course (Ride-on)
UIS6951R	Independent Study Course (Ride-on)

Other points to note:

- All **CG coded** courses are **NOT** open to Non-Graduating students.

Department : Multidisciplinary Programme

Courses NOT available to NG students

Course Code	Course Title
CG1111A	Engineering Principles and Practice I
CG2111A	Engineering Principles and Practice II
CG2271	Real-Time Operating Systems

Department : Computer Science

Courses NOT available to NG students

Course Code	Course Title
CS1101S	Programming Methodology
CS1010S	Programming Methodology
CS1231S	Discrete Mathematics
CS2030S	Programming Methodology II
CS2040	Data Structures and Algorithms
CS2040S	Data Structures and Algorithms
CS2102	Database Systems
CS2103	Software Engineering
CS2103T	Software Engineering
CS2106	Introduction to Operating Systems
CS2109S	Introduction to AI and Machine Learning
CS2113T	Software Engineering & Object-Oriented Programming
CS2309	CS Research Methodology
CS3203	Software Engineering Project
CS3216	Software Product Engineering for Digital Markets
CS3217	Software Development on Modern Application Platforms

Course Restrictions for Non-Graduating Students

CS3226	Web Programming and Applications
CS3233	Competitive Programming
CS3263	Foundations of Artificial Intelligence
CS3264	Foundations of Machine Learning
CS3281	Thematic Systems Project I
CS3282	Thematic Systems Project II
CS4225	Big Data Systems for Data Science
CS4238	Computer Security Practice
CS4350	Game Development Project
CS5223	Distributed Systems
CS5224	Cloud Computing
CS5228	Knowledge Discovery and Data Mining
CS5242	Neural Networks and Deep Learning
CS5339	Theory and Algorithms for Machine Learning
CS5340	Uncertainty Modeling in AI
CS5421	Database Applications Design and Tuning
CS5422	Wireless Networking
CS5424	Distributed Databases
CS5425	Big Data Systems for Data Science
CS5430	Foundations of Modern Cryptography
CS5439	Software Security
CS5446	AI Planning and Decision Making
CS5461	Algorithmic Mechanism Design
CS5469	Fundamentals of Logic in Computer Science
CS5476	IoT Security
CS5477	3D Computer Vision
CS5478	Intelligent Robots: Algorithms and Systems
CS5562	Trustworthy Machine Learning
CS5647	Sound and Music Computing
CS6101	Exploration of Computer Science Research
CS6210	The Art of Computer Science Research
BT5110	Data Management and Warehousing
IT5001	IT5001 Software Development Fundamentals
IT5002	IT5002 Computer Systems and Applications
IT5003	IT5003 Data Structures and Algorithms
IT5005	IT5005 Artificial Intelligence
IT5006	IT5006 Fundamentals of Data Analytics
IT5007	IT5007 Software Engineering on Application Architecture
IT5100A	Industry Readiness: Typed Functional Programming
IT5100B	Industry Readiness: Stream Processing
IT5100C	Industry Readiness: Database Modelling and Programming
IT5100D	Industry Readiness: Networking Concepts for Developers
IT5100E	Industry Readiness: Security Best Practices
IT5100F	Industry Readiness: Data Analytics and AI in Practice
IFS2200	Information Security Immersion Programme
IFS4102	Digital Forensics
IFS4103	Penetration Testing Practice
Department : Information Systems and Analytics	
Courses <u>NOT</u> available to NG students	
Course Code	Course Title

Course Restrictions for Non-Graduating Students

BT2102	Data Management and Visualisation
BT3103	Application Systems Development for Business Analytics
BT4012	Fraud Analytics
BT4013	Analytics for Capital Market Trading and Investment
BT4101	B.SC. (BUSINESS ANALYTICS) DISSERTATION
BT4103	Business Analytics Capstone Project
BT4106	Risk Analytics for Financial Services
BT4221	Advanced Analytics with Big Data Technologies
BT4301	Business Analytics Solutions Development and Deployment
BT5126	Hands-on with Business Analytics
BT5151	Advanced Analytics and Machine Learning
BT5153	Applied Machine Learning for Business Analytics
FT5001	Fintech Innovations for Consumers
FT5002	Digital Transformation at Financial Institutions
FT5003	Blockchain Innovations
FT5004	Programming for Blockchain Applications
FT5005	Machine Learning for Finance
FT5007	FinTech Capstone Project
FT5008	Contemporary Topics in Blockchain Applications
FT5009	Contemporary Topics in Financial Data Analytics
FT5010	Algorithmic Trading Systems Design and Deployment
FT5011	Deep Learning for Finance
FT5012	Risk, Security and Compliance in Banking and Finance
FT5013	Digital Asset Innovations in Finance
IT5004	Enterprise Systems Architecture Fundamentals
IFS4101	Legal Aspects of Information Security
IS2102	Requirements Analysis for Business IT Systems
IS2108	Full-stack Software Engineering for AI Solutions I
IS2109	AI and Machine Learning Techniques I
IS3103	Digital Transformation and Leadership Communication
IS3108	Full-stack Software Engineering for AI Solutions II
IS4010	Digital Transformation Leadership Programme
IS4108	AI Solutioning Capstone Project
IS4151	AIoT Solutions and Development
IS4226	Systematic Trading Strategies and Systems
IS4242	Intelligent Systems and Techniques
IS4243	Digital Transformation Consulting
IS4250	IT-enabled Healthcare Solutioning
IS4301	Agile IT with DevOps
IS4400	Human-AI Interaction
IS4402	Machine Learning with Unstructured Data
IS5002	Digital Transformation
IS5117	Digital Government
IS5128	Digital Innovation
IS5152	Data-Driven Decision Making
IS5451	AIoT Solutions and Development
IS6000	Topics in Information Systems and Analytics Research

4. Design & Engineering

Department : Architecture

Courses **NOT** available to NG students

Course Code	Course Title
AR1101A	Design 1
AR1102	Design 2
AR1328A	Architectural Materials and Construction
AR1329	Climate, Ecology & Architecture
AR2228	History and Theory of Architecture II
AR5423	Architectural Practice
AR5807	Architectural Design Thesis
AR5808	Final Design Project
AR5806	Architectural Design Research Report
AR5121	Special Topics in Technology
LA5742	Dissertation
LA5742A	Dissertation Preparation
LAD1001	Design 1
LAD1003	Introduction to Landscape Architecture
LAD1005	Design 2
LAD2003	Landscape Construction 1
LAD3005	Landscape Architecture Internship
LAD4005	Topics in Landscape Architecture
LAD4010	Design 8
UD5221	Theory & Elements Of Urban Design
UD5521	Planning Process Quantitative & Policy Dimensions
UD5622	Methods Of Urban Design & Urban Analysis
UD5628	Sustainable Urban Design and Development
DEP5104	Urban and Regional Economics
DEP5102	Urban Planning History and Theory (<i>Reading the Course on Audit basis is not permitted</i>)
DEP5105	Urban Infrastructure & Mobility Systems

Students are required to submit a letter of confirmation from the student's home university to state the year of design Course that they should be enrolled in during their exchange at if they wish to take the following Design courses

Course Code	Course Title
AR2101	Design 3
AR2102	Design 4
AR3101	Design 5
AR3102	Design 6
AR5801	Options Design Research Studio 1
AR5802	Options Design Research Studio 2
LA4701	MLA Studio: Quarter
LA4702	MLA Studio: City
LA5701	MLA Studio: Country
LA5702	MLA Studio: Region
LAD2006	Design 3
LAD2007	Design 4

LAD3001	Design 5
LAD3002	Design 6
LAD4008	Design 7

Courses which are only open to Non-Graduating students (i) majoring in LANDSCAPE ARCHITECTURE, or (ii) training in related disciplines

Course Code	Course Title
AR2225	Reading Visual Images
AR2227	History & Theory of Architecture I (<i>offered in Sem 2 ONLY</i>)
AR2328A	Architectural Tectonics & Structural (to be taken with AR2101)
AR3722	Sustainable Environmental System (to be taken with AR3102)
AR5221	Contemporary Theories (<i>offered in Sem 2 ONLY</i>)
AR5601	Urban Design Theory and Praxis
AR5321	Advanced Architectural Integration (<i>Reading the course on Audit basis is not permitted (offered in Sem 2 ONLY)</i>)

Courses which are only open to Non-Graduating students (i) majoring in LANDSCAPE ARCHITECTURE, or (ii) training in related disciplines

Course Code	Course Title
LAD2004	Planting Design & Horticulture
LAD2005	Introduction to GIS for LA
LAD4006	Digital Techniques in LA
LAD4012	Urban Greening: Technologies And Techniques
LAD4003	Landscape Construction II

Courses which are only open to Non-Graduating students (i) majoring in URBAN DESIGN, or (ii) with at least 4 years of Architectural education, or (iii) training in related disciplines

Course Code	Course Title
UD5221	Theory & Elements Of Urban Design
UD5521	Planning Process Quantitative & Policy Dimensions
UD5622	Methods Of Urban Design & Urban Analysis
UD5628	Sustainable Urban Design and Development

Department : Biomedical Engineering

Courses NOT available to NG students

Course Code	Course Title
BN1111	Biomedical Engineering Principles and Practice I
BN2001	Independent Study
BN2111	Biomedical Engineering Principles and Practice II
BN3101	Biomedical Engineering Design
BN4109	Special Topics in Bioengineering
BN4101	B.Eng Dissertation Project
BN4101R	B.Eng Dissertation Project

Other points to note:

- All **Level 5000 or 6000** courses are NOT open to Non-Graduating undergraduate students

Department : Built Environment

Courses NOT available to NG students

Course Code	Course Title
PF1101	Fundamentals of Project Management
PF1103/ IPM1103	Digital Construction
PF1107/ IPM1102	Infrastructure and Project Management Law
PF1107/ IPM1102	Project and Facilities Management Law
PF1108/ IPM2101	Introduction to Building Performance
PF2103/ IPM2103	Measurement (Building Works)
PF2107/ IPM2102	Construction Technology
PF2108/ IPM2104	Project Cost Management
PF2109/ IPM3101	Project Feasibility
PF2110/ IPM3102	Fundamentals of Facilities Management
PF2205	Project Finance
PF3104	Project Execution
PF4101/ IPM4101	Dissertation
PF4102/ IPM4103	Contract and Procurement
PF4502	Green Development
Other points to note:	
-	All Level 5000 or 6000 courses are NOT open to Non-Graduating undergraduate students
-	All MSc Building Performance and Sustainability Courses (BPS5XXX) are not offered to NG students.
Courses available to NG students with limited quota	
Semester 1	
Course Code	Course Title
PF2102	Structural Systems
PF2305	Event Management
PF3105	Research Methods
PF3205	Advanced Measurement
PF3208	Project Leadership
PF3209	Building Information Modelling
PF3210	Total Building Performance
PF3211	AI Applications for the Built Environment
PF3307	Strategic Facilities Management
PF3504	Energy Management
PF4209	Construction Enterprise Management
PF4213	Building Energy Analysis and Simulation
PF4309	Infrastructure O&M
IPM4201	Smart FM Robotics
GESS1014	Managing Singapore's Built Environment
Semester 2	
Course Code	Course Code
PF2203	Quality and Productivity Management
PF2306	Event Management Case Studies
PF2504	Materials Technology
PF2505	M&E Systems
PF3207	Project Management Law
PF3301	Maintainability of Facilities
PF3305	Facilities Planning and Design
PF3306	Facilities Management Law & Contracts
PF3502	Smart Facilities

PF4203	Project Dispute Management
PF4208	Safety and Health Management
PF4306	REITS Facilities Management
Other points to note:	
-	Level 1000 to 4000 Courses: Not available to NG graduate students.
-	Building undergraduate courses must be taken on graded basis.
Department : Chemical and Biomolecular Engineering	
Courses <u>NOT</u> available to NG students	
Course Code	Course Title
CN3101	Chemical Engineering Laboratory I
CN3101A	Chemical Engineering Process Lab
CN3102	Chemical Engineering Laboratory II
CN4102	Chemical Engineering Lab
CN4118	B.Eng. Dissertation
CN4119 / CN4123R	Final Year Design Project
Other points to note:	
-	All Level 5000 courses with prefix CN5XXX are NOT open to Non-Graduating students.
Department : Civil and Environmental Engineering	
Course Code	Course Title
-	No appeal will be accepted for any Level 1000 to Level 4000 courses that are not listed in the NG Course offerings list.
-	All Level 5000 or 6000 courses (CE and ESE) are NOT open to Non-Graduating students.
Department : Electrical and Computer Engineering	
Courses <u>NOT</u> available to NG students	
Course Code	Course Title
EE2033	Integrated System Lab
EE2211	Introduction to Machine Learning
EE3031	Innovation & Enterprise I
EE2211	Introduction to Machine Learning
EE4002D	Design Capstone
EE4002R	Research Capstone
EE5xxx & EE6xxx	All level 5000 and 6000 courses
CEG5xxxx	All level 5000 courses
EEK5xxxx	All level 5000 courses
Department: Industrial Systems Engineering and Management	
Courses <u>NOT</u> available to NG students	
IE1111R	Industrial & Systems Engineering Principles & Practice I
IE2111	Industrial & Systems Engineering Principles & Practice II
IE2141	Systems Thinking and Dynamics
IE3100R	Systems Design Project
IE3102	Systems Engineering Project
IE3102A	Systems Engineering Project
IE3105	Fundamentals of Systems Engineering and Architecture
IE3110R	Simulation
IE4100R	BEng Dissertation

Course Restrictions for Non-Graduating Students

- No appeals will be accepted for any level 1000 to level 4000 courses that are not listed in the NG courses listing.
- All Level 5000 or 6000 courses with prefixes IEXXXX, MTXXXX and SDMXXXX are NOT open to Non-Graduating students.

Department : Materials Science and Engineering

Courses NOT available to NG students

Course Code	Course Title
GEH1057	Materials: The Enabling Substance of Civilization
MLE1001	Materials Science & Engineering Principles & Practice I
MLE1001A	Materials Science & Engineering Principles & Practice I
MLE1001B	Materials Science & Engineering Principles & Practice I
MLE1002	Materials Science & Engineering Principles & Practice II
MLE1010	Materials Engineering Principles & Practices

Courses NOT available to NG students

Course Code	Course Title
GEH1057	Materials: The Enabling Substance of Civilization
MLE1001	Materials Science & Engineering Principles & Practice I
MLE1001A	Materials Science & Engineering Principles & Practice I
MLE1001B	Materials Science & Engineering Principles & Practice I
MLE1002	Materials Science & Engineering Principles & Practice II
MLE1010	Materials Engineering Principles & Practices
MLE1101	Introductory Materials Science And Engineering
MLE1111	Foundation Materials Science and Engineering I
MLE1112	Foundation Materials Science and Engineering 2
MLE2001	Materials Science & Engineering Principles & Practice II
MLE2001A	Materials Science & Engineering Principles & Practice II
MLE2106	Metallic Materials and Processing
MLE2107	Ceramic Materials and Processing
MLE2111	Materials Properties Laboratory
MLE3101	Materials Characterization Laboratory
MLE3103	Materials Design and Selection
MLE3111	Materials Properties & Processing Laboratory
MLE3111A	Materials Properties and Processing Laboratory
MLE3112	Machine Learning Approaches in Materials Laboratory
MLE4101	B.Eng. Dissertation
MLE4101A	BEng Dissertation
MLE4101B	BEng Dissertation
MLE4102	Design Project
MLE4102A	Design Project
MLE4204	Synthesis And Growth Of Nanostructures
MLE4205	Theory and Modelling of Materials Properties
MLE4209	Magnetism and Magnetic Materials
MLE4211	Nanoelectronics and information technology
MLE4213	Innovation & Product Development for Material Engineers

Other points to note:

- All Level 5000 or 6000 courses are NOT open to Non-Graduating students.

Department : Mechanical Engineering

Courses NOT available to NG students

Course Code	Course Title
ME3000	Independent Study 1
ME3001	Independent Study 2
ME4101A	B.Eng Dissertation
ME4101B	Mechanical Systems Design
ME4105	Specialisation Study Course
ME3163	Introduction to Cyber Physical Systems
ME3243	Robotic System Design
ME4242	Soft Robotics

Other points to note:

- All Level 5000 and 6000 courses are NOT open to Non-Graduating students.

Department : Division of Industrial Design

Courses below are only open to Non-Graduating students pursuing an INDUSTRIAL DESIGN Course in their Home University.

Course Code	Course Title
ID1121	Human-Centered Design
ID1223	History & Theory of Industrial Design
ID2105	Design in Context & Sustainability
ID2106	Design Platforms 1
ID2114	Form, Materials & Making
ID2115	Digital Sketching & Painting
ID2116	Computing for Design
ID2122	Ecodesign and Sustainability
ID3105	Design Platforms 2
ID3106	Design Platforms 3
ID4105	Design Platforms 4
ID2323	Technology for Design
ID3122	Materials & Manufacturing for Industrial Design
ID3124	Creative Communication & Design Argumentation
ID2112	Digital Design & Fabrication

Other points to note:

- ID4106 is NOT open to Non-Graduating students.
- Industrial Design Courses must be taken on graded basis.

5. Law

Courses **NOT** open Non-Graduating students

Course Code	Course Title
LL4011V	Civil Justice & Process
LL4033V	International Legal Process
LL4044V	Mediation
LL4045V	Negotiation
LL4094AV	The Corporate Law Clinic
LL4094BV	NUS-State Courts Judicial Clerkship Programme
LL4094CV	The Access to Justice Low Bono Litigation Clinic
LL4094DV	The Pro Bono Criminal Law Litigation Clinic
LL4094EV	The Capital Offences Criminal Litigation Clinic
LL4094FV	The Evolving Legal Landscapes Clinic
LL4094GV	NUS Entrepreneurship Society Collaboration Clinic
LL4203	International Moots & Competition
LL4261V	Employment Law & Migrant Workers Clinic
LL4367V	Singapore at the UN - A Clinical Externship
LL4434V	International Commodity Trading Law Clinic
LL4356V	International Economic Law Clinic
LL4359Z	Multinational Enterprises and International Law
LL4361Z	Complex Arbitrations: Multiparty - Multicontract
LL4377V	Law in Action: Legal Policymaking Externship
LL4463V	National Arts Council Externship

Other points to note:

- Students must be majoring in Law in their Home University in order to be considered eligible for Law courses.
- Students with double majors (including Law as one of the majors) must be eligible for a minimum of two (2) law courses per semester in order to be considered by the NUS Faculty of Law.
- All compulsory LLB courses are **NOT** open to Non-Graduating students. See [HERE](#).
- Only selective Law electives with course code LL4XXXX are available for exchange students.

6. Music

-	Core Music courses such as major study lessons, ensemble, pedagogy, musical concepts & materials are only available to exchange students from YST Conservatory's partner institutions .
-	Non-graduating students from non-YST Conservatory's partner institutions are eligible to read Music electives listed HERE .
-	<p>The following electives (when offered in the semester) require an audition or a placement test and will not be available for selection during the application period:</p> <ul style="list-style-type: none"> • MUA1192 Chamber Singers 1 • MUA3224 Intermediate Keyboard Studies • MUA3205 Jazz Study and Performance 1 • MUT3113 Orchestration • MUT3213 Romantic Styles • MUT3214 Concerto and Cadenza • MUT3215 Composition for Non-Majors • MUT3216 Bach Suites • MUT3222 Choral Composition

- MUT3223 Early Twentieth-Century Music
Students will be allocated the course upon passing the audition or placement test.

7. Public Policy

- Students who are pursuing an undergraduate degree at their home university are NOT eligible to apply for LKYSPP courses (i.e. Course codes with prefix PP). Only students who are currently pursuing a graduate degree in LKYSPP's faculty exchange partner universities will be considered.
- LKYSPP courses must be taken on graded basis.

8. Science

Department : Dean's Office (Faculty of Science)

Course Code	Course Title
FMS1201D	FS: Transforming Medicine: From Bench to Beside & Beyond
SP2171	Discovering Science
SP3173	Independent Study Course
UIS3921	Independent Study Course
UIS3922	Independent Study Course
UIS3923	Independent Study Course
UIS3924	Independent Study Course
UIS4921	Independent Study Course
UIS4922	Independent Study Course
UIS4923	Independent Study Course
UIS4924	Independent Study Course
ZB4199	Honours Project in Computational Biology

Department : Biological Sciences

Courses NOT open Non-Graduating students

Course Code	Course Title
LSM2301	Life Sciences Industry Seminar
LSM3201	Research and Communication in Life Sciences
LSM33xx	Undergraduate Professional Internship Programme
LSM4199	Honours Project in Life Sciences
LSM4299	Applied Project in Life Sciences
SP3203	Aquatic Ecology Research

Other points to note:

- Course codes FSCXXXX are NOT open to Non-Graduating students.

Department : Chemistry

Course Code	Course Title
CM3181	Professional Placement Applied Chemistry
CM4199A	Honours Project in Chemistry
CM4199B	Honours Project in Applied Chemistry

Department : Food Science and Technology

Courses NOT open Non-Graduating students

Course Code	Course Title
FST2288	Basic UROPS in Food Science & Technology I

Course Restrictions for Non-Graduating Students

FST2288R	Basic UOPS in Food Science & Technology I (REx)
FST2289	Basic UOPS in Food Science & Technology II
FST2289R	Basic UOPS in Food Science & Technology II (REx)
FST3181	Professional Placement
FST3201	Independent Study (Food Sci & Tech)
FST3287	FST Professional Placement
FST3288	Advanced UOPS in Food Science & Technology I
FST3288R	Advanced UOPS in Food Science & Technology I (REx)
FST3289	Advanced UOPS in Food Science & Technology II
FST3289R	Advanced UOPS in Food Science & Technology II (REx)
FST4199	Honours Project in Food Science & Tech
FST4277	Professional Internship in Food Science & Technology
FST4278	Independent Study during Internship
FST4288	Honours Project in Food Science & Technology
FST4299	Applied Project in FST

Other points to note:

All FST level 5000 courses are NOT open to Non-Graduating students.

Department : Mathematics

Courses NOT open Non-Graduating students

Course Code	Course Title
DSE4211/QF4211	Digital Currencies
DSE4212/QF4212	Data Science in FinTech
FMS12XXM	Freshman Seminar
HS1501	Artificial Intelligence and Society
MA4198	Mathematics Capstone Project
MA4199	Honours Project in Mathematics
MA4291	Undergraduate Topics in Mathematics
QF4204	Project in Quantitative Finance and Fintech
QF4199	Honours Project in Quantitative Finance
QF4288	Undergraduate Project in Quantitative Finance
DSE4101	Capstone Project in Data Science and Economics I
DSE4201	Capstone Project in Data Science and Economics II

Other points to note:

- Course codes MA15XX are NOT open to Non-Graduating students.
- All QF level 5000 courses are NOT open to Non-Graduating students.
- Course codes DSAXXXX are NOT open to Non-Graduating students.
- Course codes GEHXXX are NOT open to Non-Graduating students.
- All MA level 5000 and 6000 courses are NOT open to Non-Graduating students.

Department : Pharmacy

Courses NOT open Non-Graduating students

Course Code	Course Title
PHS1101	The Billion-Dollar Pill - Bench to Bedside Drug Development
PHS2101	Physiology for Pharmaceutical Science
PHS2102	Physicochemical and Biochemical Principles of Drug Action
PHS2103	Essentials of Pharmaceutical and Synthetic Chemistry
PHS2104	Macromolecules in Pharmaceutical Science
PHS2105	Principles of Pharmaceutical Formulations I
PHS2191	Laboratory Techniques in Pharmaceutical Science

Course Restrictions for Non-Graduating Students

PHS3116	Pharmacokinetics and Biopharmaceutics
PHS3123	Biotechnology for Pharmaceutical Science
PHS3122	Pharmaceutical Quality Management
PHS3191	Laboratory Techniques in Pharmaceutical Science II
PHS3220	Microbiology for Pharmaceutical Science
PHS4121	Regulation of Healthcare Products
PR1150	Professional Identity Development I
PR1151	Applied Patient Care Skills I
PR1152	Pharmacy Foundations: Science & Therapeutics I
PR1153	Pharmacy Foundations: Science & Therapeutics II
PR2156	Integumentary & Ocular Systems: Science and Therapeutics
PR2150	Professional Identity Development II
PR2151	Applied Patient Care Skills II
PR2152	Gastrointestinal System: Science & Therapeutics
PR2153	Cardiovascular System: Science & Therapeutics
PR2154	Respiratory System: Science & Therapeutics
PR2155	Hepatic and Renal Systems: Science & Therapeutics
PR3116	Concepts In Pharmacokinetics And Biopharmaceutics
PR3117	Formulation & Technology II
PR3122	Self Care II
PR3123	Formulation & Technology II
PR3124	Pharmacotherapeutics III
PR3136	Pharmacotherapeutics IV
PR3137	Pharmacy Professional Skills Development III
PR3144	Principles Of Research Methods
PR3145	Compliance & Good Practices In Pharmacy
PR3146	Pharmacy Law In Singapore
PR3150	Professional Identity and Skills Development
PR3151	Infection: Optimising Prevention & Treatment
PR3152	Immune & Endocrine Systems: Science & Therapeutics
PR3153	Central Nervous System: Science & Therapeutics
PR3154	Haematological & Musculoskeletal Systems: Science & Therapeutics
PR4138	Pharmacy Professional Skills Development IV
PR4196	Pharmacy Research Project And Scientific Communication
PR4197	Pharmacy Internship I
PR4197A	Pharmacy Internship I
PR4198	Pharmacy Internship II
PR4198A	Pharmacy Internship II

Department : Physics

Courses NOT open Non-Graduating students

Course Code	Course Title
AIS5xxx	All AIS courses
PC2239	Special Problems in Undergrad Physics I
PC33xx	Undergraduate Professional Internship Programme
PC4288, PC4288A/Q/N	Honours Year Project in Physics, Honours Project in Astrophysics, Honours Project in Quantum Technologies, Honours Project in Nanophysics
PC5101	Physics and Technology
PC5102	Physics in Industry
PC5189	Graduate Seminar Course in Physics
PC5203	Advanced Solid State Physics

Course Restrictions for Non-Graduating Students

PC5204	Magnetism and Spintronics
PC5205	Topics in Surface Physics
PC5207	Topics in Optical Physics
PC5212	Physics of Nanostructures
PC5213	Advanced Biophysics
PC5214	Essential techniques in experimental physics
PC5215	Numerical Recipes With Applications
PC5216	Advanced Atomic & Molecular Physics
PC5218	Superconductivity and Superconducting Devices
PC5221	Quantum Many-Body Physics: an Informational Perspective
PC5228	Quantum Information and Computation
PC5233	Functional Electronic Devices of Tomorrow
PC5236	Atomistic modelling of electronic materials under nonequilibrium conditions
PC5239B	Variational Principles
PC5252	Bayesian Statistics and Machine Learning
PC5253	Complex Systems Analysis and Modelling
PC5267	Physics of Small Machines and Active Matters
PC5271	Physics of Sensors
PC5274	Advanced Mathematical Methods in Physics
PC5286	MSc Physics Coursework Project
PC5287	M.SC Coursework Thesis for Physics And Technology

Department : Statistics and Data Science

Courses NOT open Non-Graduating students

DSA1101	Introduction to Data Science
DSA2101	Essential Data Analytics Tools: Data Visualisation
DSA3101	Data Science in Practice
DSA3361	Inferential Data Analytics
DSA3362	Predictive Data Analytics
DSA4213	Natural Language Processing for Data Science
DSA4261	Sense-making Case Analysis: Logistics and Transport
DSA4261A	Sense-making Case Analysis: Logistics
DSA4261B	Sense-making Case Analysis: Transport
DSA4262	Sense-making Case Analysis: Health and Medicine
DSA4262A	Sense-making Case Analysis: Health
DSA4262B	Sense-making Case Analysis: Medicine
DSA4263	Sense-making Case Analysis: Business and Commerce
DSA4263A	Sense-making Case Analysis: Business
DSA4263B	Sense-making Case Analysis: Commerce
DSA4264	Sense-making Case Analysis: Public Policy and Society
DSA4264A	Sense-making Case Analysis: Public Policy
DSA4264B	Sense-making Case Analysis: Society
DSA4265	Sense-making Case Analysis: Economics and Finance
DSA4265A	Sense-making Case Analysis: Economics
DSA4265B	Sense-making Case Analysis: Finance
DSA4266	Sense-making Case Analysis: Science and Technology
DSA4266A	Sense-making Case Analysis: Science
DSA4266B	Sense-making Case Analysis: Technology

DSE1101	Introductory Data Science for Economics
DSE3101	Practical Data Science for Economics
Other points to note:	
- All ST level 5000 courses are NOT open to Non-Graduating students.	

9. University Scholars Programme

- Only students who are from selected partner universities with prior agreement will be considered.

10. NUS Risk Management Institute

- Courses open to Non-Graduating students are limited and approval will be done on a **case-by-case basis**. Students will be required to pay for the per Course tuition fees.

11. School of Continuing and Lifelong Education

- Courses are **not open** to Non-Graduating students.

