

Master of Science in Industrial and Systems Engineering (ISE)
Curriculum Information and Tuition Fee
for Past Cohorts

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Master of Science in Industrial and Systems Engineering Degree Requirements and Tuition Fees for August 2026 intake

Degree Requirements

Degree Requirements	At least 40 units – typically ten courses	
Candidature	Full-time [^]	minimum 1 year – maximum 2 years
	Part-time	minimum 2 years – maximum 4 years
Continuation Requirements	At NUS, minimum standards are set for continuation in a programme of study and graduation. More information can be found here .	
Graduation Requirements	GPA [#] of at least 3.00 (equivalent to an average of B-) for a general MSc ISE degree.	
	GPA [#] of at least 3.50 (equivalent to an average of B) for a MSc ISE degree with area of specialisation in DA, ESM, OR, SE or DCA.	

[^]If you are an international applicant who does not have permanent residency in Singapore, you are eligible to apply only for the full-time programme; if offered admission, you will be registered as a full-time student.

[#]Grade Point Average (GPA) – students that obtain a GPA of less than 3.00 but at least 2.75 (based on best 6 relevant courses) may receive a Graduate Diploma.

Area of Specialisation

To graduate with an Area of Specialisation (AOS), you will need to complete at least 16 units from core courses and at least 16 units from the AOS basket. You may double-count a course as fulfilling both core and AOS if they fall in both categories. The remaining units can be from the core or elective courses.

To be considered for the award of specialisation, a student must complete a minimum of 40 units with a graduating GPA of at least 3.50. Upon successful completion of the AOS, the specialisation will be reflected in your official transcript.

Data Analytics (DA)

1. IE5002 Applied Engineering Statistics (compulsory)
2. IE5005 Data Analytics For Industrial Engineers (compulsory)
3. IE5202 Applied Forecasting Methods
4. IE5231 Statistical Methods for Process Design and Control
5. IE5405 Retail Operations and Analytics
6. IE5600 Applied Programming for Industrial Systems
7. IE5602 Statistical Learning in Engineering I
8. IE5603 Statistical Learning in Engineering II
9. IE5604 Practical Deep Learning Methods for Decision Making

Engineering and Service Management (ESM)

1. IE5003 Cost Analysis And Engineering Economy (compulsory)
2. IE5006 Large Scale Systems Engineering
3. IE5121 Quality Planning and Management

4. IE5208 Systems Approach to Project Management
5. IE5213 Service Innovation and Management
6. MT5006 Value Creation Through Product Development
7. MT5024 Maximising Innovation Value through Patent Analytics

Operations Research (OR)

1. IE5001 Operations Research for Decision Making (compulsory)
2. IE5004 Stochastic Models and Their Applications (compulsory)
3. IE5005 Data Analytics For Industrial Engineers
4. IE5105 Modelling for Supply Chain Systems
5. IE5203 Decision Analysis
6. IE5205 Healthcare System and Analytics
7. IE5268 Theory and algorithms for nonlinear optimization
8. IE5401 Modern Supply Chain and Blockchain Technologies
9. IE5405 Retail Operation and Analytics
10. IE5504 Systems Modelling and Advanced Simulation
11. IE5506 Portfolio Optimization and Engineering
12. IE5603 Statistical Learning in Engineering II
13. IE5604 Practical Deep Learning Methods for Decision Making

Systems Engineering (SE)

1. IE5006 Large Scale Systems Engineering (compulsory)
2. IE5123 Reliability Engineering and Asset Management
3. IE5205 Healthcare System and Analytics
4. IE5206 Energy and Sustainability
5. IE5221 Transportation Modeling and Economics
6. IE5504 Systems Modelling and Advanced Simulation

Decarbonization Analytics (DCA)

1. IE5003 Cost Analysis and Engineering Economy (compulsory)
2. IE5005 Data Analytics For Industrial Engineers (compulsory)
3. IE5206 Energy and Sustainability
4. IE5207 Energy Systems Modelling and Market Mechanisms
5. IE5209 ESG and Net Zero: Principles and Cases
6. IE5210 Value Chain Carbon Accounting and Sustainability

Fees and Financial Information

The full programme fee for Academic Year (AY) 2026/2027 is illustrated in the following table. Programme fees are reviewed yearly and thus subjected to revisions.

Payment of fees will be on an instalment basis, paid over 2 semesters for full-time students and 4 semesters for part-time students.

Full Programme Fees (inclusive of 9% GST)		Acceptance Fee (inclusive of 9% GST)	1 st semester (inclusive of 9% GST)	2 nd semester (inclusive of 9% GST)	3 rd semester (inclusive of 9% GST)	4 th semester (inclusive of 9% GST)
Full-time students	S\$55,590	\$5,450	S\$25,070	S\$25,070	N.A.	N.A.
Part-time students	S\$55,590	\$5,450	S\$12,535	S\$12,535	S\$12,535	S\$12,535

Key Programme Fee Information

- The fees listed are in Singapore Dollars (S\$) and inclusive of 9% GST.
- Programme fee is for 40 units only. To graduate, a student has to complete 40 units. Students reading more than 40 units will incur additional prorated programme fees (without subsidy/rebate) at the prevailing rate of the Academic Year in which the course is read.
- Complete fee must be paid before a student can graduate from the programme.
- Programme fees do not include the cost of recommended textbooks and readings.
- The cost of travel, accommodation and miscellaneous expenses are not included and are to be borne by the participant. Click [here](#) for an estimated cost of living.

Other Fees

- A non-refundable **application fee** of **S\$109 w/GST** must accompany your online application.
- **Acceptance Fee** of **S\$5,450 w/GST** – which will be credited towards your programme fees – is payable upon acceptance into the programme. Fee is non-refundable and non-transferable.
- Students need to separately pay for **Miscellaneous Student Fee (MSF)** directly to the University on a semester basis. MSF rates are reviewed annually. For the latest Miscellaneous student fees, please refer to Office of the University Registrar's website [here](#).

Other finance-related information

- Students may utilise SkillsFuture Credit (SFC) to offset tuition fees (Course reference: [TGS-2015502879](#)). Please refer to the SFC FAQ [here](#).
- Students who are sponsored by corporate or other organizations may refer to the [step-by-step guide](#) for the bill to be sent to the company.

AY2026/2027 Fee Rebate

Fee rebates will be awarded to deserving applicants based on merit. Applicants will be notified of their awarded fee rebate quantum[#] after they received their offer letter.

To enjoy the fee rebate, NUS can only bill to individuals, and will **not be able** to support corporate billing for the programme fees.

Nationality	Fee Rebate
Singapore Citizen (SC)	Up to 65% of Programme Fees
Singapore Permanent Residents (SPR)	Up to 50% of Programme Fees
ASEAN	Up to 40% of Programme Fees
International	Up to 30% of Programme Fees

[#]actual quantum of fee rebate depends on academic merit.

All NUS Alumni will receive a minimum 40% tuition fee rebate.

All Non-NUS Alumni SC and SPR will receive a minimum 40% tuition fee rebate.

Illustration of Programme Fees with Fee Rebates

With effect from AY2025/2026 cohort, students who are eligible for fee rebates will receive the full rebate credit of their acceptance fee into their Semester 1 student bill. The below table illustrates the fee payment schedule for students with fee rebates.

Programme Fees with fee rebate (inclusive of GST)			Acceptance Fee (inclusive of 9% GST)	1 st semester (inclusive of 9% GST)	2 nd semester (inclusive of 9% GST)	3 rd semester (inclusive of 9% GST)	4 th semester (inclusive of 9% GST)
65% fee rebate	Full-time students	S\$19,456.50	S\$5,450	S\$5,232	S\$8,774.50	N.A.	N.A.
	Part-time students	S\$19,456.50	S\$5,450	S\$844.75	S\$4,387.25	S\$4,387.25	S\$4,387.25
50% fee rebate	Full-time students	S\$27,795	S\$5,450	S\$9,810	S\$12,535	N.A.	N.A.
	Part-time students	S\$27,795	S\$5,450	S\$3,542.50	S\$6,267.50	S\$6,267.50	S\$6,267.50

40% fee rebate	Full-time students	S\$33,354	S\$5,450	S\$12,862	S\$15,042	N.A.	N.A.
	Part-time students	S\$33,354	S\$5,450	S\$5,341	S\$7,521	S\$7,521	S\$7,521
30% fee rebate	Full-time students	S\$38,913	S\$5,450	S\$15,914	S\$17,549	N.A.	N.A.
	Part-time students	S\$38,913	S\$5,450	S\$7,139.50	S\$8,774.50	S\$8,774.50	S\$8,774.50

Degree Requirements

Degree Requirements	At least 40 units – typically ten courses	
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	Part-time	minimum 2 years – maximum 4 years
Continuation Requirements	https://cde.nus.edu.sg/graduate/graduate-programmes-by-coursework/graduation-requirements/	
Graduation Requirements	GPA [#] of at least 3.00 (equivalent to an average of B-) for a general MSc ISE degree GPA [#] of at least 3.50 (equivalent to an average of B) for a MSc ISE degree with area of specialisation in DA, ESM, OR, SE or DCA	

[^]If you are an international applicant who does not have permanent residency in Singapore, you are eligible to apply only for the full-time programme; if offered admission, you will be registered as a full-time student.

[#][Grade Point Average \(GPA\)](#) – students that obtain a GPA of less than 3.00 but at least 2.25 will receive a Graduate Diploma.

Area of Specialisation

To graduate with an Area of Specialisation (AOS), you will need to complete at least 16 units from core courses and at least 16 units from the AOS basket. You may double-count a course as fulfilling both core and AOS if they fall in both categories. The remaining units can be from the core or elective courses.

To be considered for the award of specialisation, a student must complete a minimum of 40 units with a graduating GPA of at least 3.50. Upon successful completion of the AOS, the specialisation will be reflected in your official transcript.

Data Analytics (DA)

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2. IE5005 Data Analytics For Industrial Engineers (**compulsory**)
3. IE5202 Applied Forecasting Methods
4. IE5231 Statistical Methods for Process Design and Control
5. IE5405 Retails Operations and Analytics
6. IE5600 Applied Programming for Industrial Systems
7. IE5602 Statistical Learning in Engineering I
8. IE5603 Statistical Learning in Engineering II

Engineering and Service Management (ESM)

1. IE5003 Cost Analysis And Engineering Economy (**compulsory**)
2. IE5006 Large Scale Systems Engineering
3. IE5121 Quality Planning and Management
4. IE5208 Systems Approach to Project Management
5. IE5213 Service Innovation and Management
6. MT5006 Value Creation Through Product Development
7. MT5024 Maximising Innovation Value through Patent Analytics

Operations Research (OR)

1. IE5001 Operations Research for Decision Making (**compulsory**)
2. IE5004 Stochastic Models and Their Applications (**compulsory**)
3. IE5005 Data Analytics For Industrial Engineers
4. IE5105 Modelling for Supply Chain Systems
5. IE5203 Decision Analysis
6. IE5205 Healthcare System and Analytics
7. IE5401 Modern Supply Chain and Blockchain Technologies
8. IE5405 Retail Operation and Analytics
9. IE5504 Systems Modelling and Advanced Simulation
10. IE5603 Statistical Learning in Engineering II

Systems Engineering (SE)

1. IE5006 Large Scale Systems Engineering (**compulsory**)
2. IE5123 Reliability Engineering and Asset Management
3. IE5205 Healthcare System and Analytics
4. IE5206 Energy and Sustainability
5. IE5221 Transportation Modeling and Economics
6. IE5504 Systems Modelling and Advanced Simulation

Decarbonization Analytics (DCA)

1. IE5003 Cost Analysis and Engineering Economy (**compulsory**)
2. IE5005 Data Analytics For Industrial Engineers (**compulsory**)
3. IE5206 Energy and Sustainability
4. IE5207 Energy Systems Modelling and Market Mechanisms
5. IE5209 ESG and Net Zero: Principles and Cases

Fees and Financial Information

The full programme fee for Academic Year (AY) 2025/2026 is illustrated in the following table.

Programme fees are reviewed yearly and thus subjected to revisions.

Payment of fees will be on an instalment basis, paid over 2 semesters for full-time students and (up to) 4 semesters for part-time students. Complete fee must be paid before a student can graduate from the programme.

Programme fees do not include the cost of recommended textbooks and readings.

Programme fee is for 40 units only. To graduate, a student has to complete 40 units. Students reading more than 40 units will incur additional prorated programme fees (without subsidy/rebate) at the prevailing rate of the Academic Year in which the course is read.

The cost of travel, accommodation and miscellaneous expenses are not included and are to be borne by the participant.

For an estimated cost of living, please click [here](#).

Payment schedule, due on the first week of every semester, is as follows:

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Full- time Students	S\$55,590.00	S\$5,450.00	S\$25,070.00	S\$25,070.00	N.A.	N.A.

Part-time Students	S\$55,590.00	S\$5,450.00	S\$12,535.00	S\$12,535.00	S\$12,535.00	S\$12,535.00
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Goods & Services Tax (GST)

- * Applicants who applied on and before 31 December 2023 will pay \$108 and \$5,400 (inclusive of 8% GST) for application and acceptance fee respectively
- The fees listed are in Singapore Dollars (S\$) and **inclusive of 9% GST from 2024 onwards***

Other Fees

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Financial Assistance

- Students may utilise SkillsFuture Credit (SFC) to offset tuition fees: <https://www.myskillsfuture.gov.sg/content/portal/en/training-exchange/course-directory/course-detail.html?courseReferenceNumber=TGS-2022011754>

AY2025/2026 Fee Rebate

Fee rebates will be awarded to deserving applicants based on merit. Applicants will be notified of their awarded fee rebate quantum after they received their offer letter.

Nationality	Fee Rebate
Singapore Citizen (SC)	Up to 65% of Programme Fees
Singapore Permanent Residents (SPR)	Up to 50% of Programme Fees
ASEAN	Up to 40% of Programme Fees, for top students
International	Up to 30% of Programme Fees, for top students

actual quantum of fee rebate depends on academic merit.

All NUS Alumni will receive a minimum 40% tuition fee rebate.

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Master of Science in Industrial and Systems Engineering Tuition Fees and Curriculum information for Cohort August 2024

Degree Requirements

Degree Requirements	At least 40 units – typically ten courses	
Candidature	Full-time [^]	minimum 1 year – maximum 2 years
	Part-time	minimum 2 years – maximum 4 years
Continuation Requirements	https://cde.nus.edu.sg/graduate/graduate-programmes-by-coursework/graduation-requirements/	
Graduation Requirements	GPA [#] of at least 3.00 (equivalent to an average of B-) for a general MSc ISE degree GPA [#] of at least 3.50 (equivalent to an average of B) for a MSc ISE degree with area of specialisation in DA, ESM, OR, SE or DCA	

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16. IE5603 Statistical Learning in Engineering II

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13. MT5006 Value Creation Through Product Development
14. MT5024 Maximising Innovation Value through Patent Analytics

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16. IE5205 Healthcare System and Analytics
17. IE5401 Modern Supply Chain and Blockchain Technologies
18. IE5405 Retail Operation and Analytics
19. IE5504 Systems Modelling and Advanced Simulation
20. IE5603 Statistical Learning in Engineering II

Systems Engineering (SE)

7. IE5006 Large Scale Systems Engineering (**compulsory**)
8. IE5123 Reliability Engineering and Asset Management
9. IE5205 Healthcare System and Analytics
10. IE5206 Energy and Sustainability
11. IE5221 Transportation Modeling and Economics
12. IE5504 Systems Modelling and Advanced Simulation

Decarbonization Analytics (DCA)

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- IE5205 Healthcare System and Analytics
- IE5504 Systems Modelling and Advanced Simulation
- IE5604 Optimisation Modelling and Applications

Systems Engineering (SE)

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3. IE5206 Energy and Sustainability
4. IE5207 Energy Systems Modelling and Market Mechanisms
5. IE5209 ESG and Net Zero: Principles and Cases

Fees and Financial Information

The full programme fee for Academic Year (AY) 2023/24 is illustrated in the following table. Programme fees are reviewed yearly and thus subjected to revisions. Payment schedule, due on the first week of every semester, is as follows:

Full Programme Fees (inclusive of GST)		Acceptance Fee (inclusive of 8% GST)	1 st semester (inclusive of 8% GST)	2nd semester (inclusive of 9% GST)	3rd semester (inclusive of 9% GST)	4 th semester (inclusive of 9% GST)
Full-time Students	S\$53,697.50	\$S\$2,160	\$S\$25,650	\$S\$25,887.50	N.A.	N.A.

Part-Time Students	S\$53,816.25	S\$2,160	S\$12,825	S\$12,943.75	S\$12,943.75	S\$12,943.75
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- The fees listed are in Singapore Dollars (S\$) and **inclusive of 8% GST in 2023 and 9% GST from 2024 onwards**
- A non-refundable application fee of S\$60 (inclusive of GST) must accompany your online application.
- Payment of fees will be on an instalment basis, paid over 2 semesters for full-time students and (up to) 4 semesters for part-time students. Complete fee must be paid before a student can graduate from the programme.
- Students need to separately pay for **Miscellaneous Student Fee (MSF)** directly to the University on a semester basis. Fees are reviewed annually. For the latest Miscellaneous student fees, please refer to Registrar's Office website [here](#).
- Acceptance Fee of S\$2,160 – which will be credited towards your programme fees – is payable upon acceptance into the programme. Fee is non-refundable and non-transferable.
- Students may utilise SkillsFuture Credit (SFC) to offset tuition fees: <https://www.myskillsfuture.gov.sg/content/portal/en/training-exchange/course-directory/course-detail.html?courseReferenceNumber=TGS-2022011754> Refer to the SFC application guide here: <https://www.nus.edu.sg/finance/students/student-finance-matters.html>
- Programme fee is for 40 units only. To graduate, a student has to complete 40 units. Students reading more than 40 units will incur additional prorated programme fees (without subsidy/rebate) at the prevailing rate of the Academic Year in which the course is read.
- Programme fees do not include the cost of recommended textbooks and readings.
- The cost of travel, accommodation and miscellaneous expenses are not included and are to be borne by the participant. For an estimated cost of living, please click [here](#).

AY2023/2024 Fee Rebate

Fee rebates will be awarded to deserving applicants based on merit. Applicants will be notified of their awarded fee rebate quantum when they receive their offer letter.

Nationality	Fee Rebate
Singapore Citizen (SC)	Up to 65% of Programme Fees
Singapore Permanent Residents (SPR)	Up to 50% of Programme Fees
International	Up to 30% of Programme Fees, for top students

All NUS Alumni will enjoy a minimum 15% tuition fee rebate.

All Non-NUS Alumni SC and PR will enjoy a minimum 10% tuition fee rebate.

Illustration of Programme Fees with fee rebates

Programme Fees with fee rebate (inclusive of GST)	Acceptance Fee (inclusive of 8% GST)	1 st semester (inclusive of 8% GST)	2nd semester (inclusive of 9% GST)	3rd semester (inclusive of 9% GST)	4 th semester (inclusive of 9% GST)
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65% fee rebate	Full-time Students	S\$18,787.63	S\$2,160	S\$8,275.50	\$8,352.13	N.A.	N.A.
	Part-Time Students	S\$18,825.94	S\$2,160	\$4,137.75	S\$4,176.06	S\$4,176.06	S\$4,176.06
50% fee rebate	Full-time Students	S\$26,843.75	S\$2,160	S\$12,285.00	\$12,398.75	N.A.	N.A.
	Part-Time Students	S\$26,900.63	S\$2,160	S\$6,142.50	S\$6,199.38	S\$6,199.38	S\$6,199.38
30% fee rebate	Full-time Students	S\$37,585.25	S\$2,160	S\$17,631.00	S\$17,794.25	N.A.	N.A.
	Part-Time Students	S\$37,666.88	S\$2,160	S\$8,815.50	S\$8,897.13	S\$8,897.13	S\$8,897.13

Master of Science in Industrial and Systems Engineering Tuition Fees and Curriculum information for Cohort August 2022

Curriculum

Degree Requirements	At least 40 modular credits (MC) - typically ten 4MC modules	
Candidature	Full-time [^]	minimum 1 year – maximum 2 years
	Part-time	minimum 2 years – maximum 4 years
Continuation Requirements	https://cde.nus.edu.sg/graduate/graduate-programmes-by-coursework/graduation-requirements/	
Graduation Requirements	CAP# of at least 3.00 (equivalent to an average of B-) for a general MSc ISE degree CAP# of at least 3.50 (equivalent to an average of B) for a MSc ISE degree with area of specialization in DA, ESM, OR, SE or DCA	

[^]If you are an international applicant who does not have permanent residency in Singapore, you are eligible to apply only for the full-time programme; if offered admission, you will be registered as a full-time student. #[Cumulative Average Point \(CAP\)](#) – students that obtain a CAP of less than 3.00 but at least 2.25 will receive a Graduate Diploma.

Area of Specialization

To graduate with an Area of Specialization (AOS), you will need to complete at least 16MCs from core modules and at least 16 MCs from the AOS basket. You may double-count a module as fulfilling both core and AOS if they fall in both categories. The remaining MCs can be from the core or elective modules.

To be considered for the award of specialisation, a student must complete a minimum of 40MCs with a graduating CAP of at least 3.50. Upon successful completion of the AOS, the specialization will be reflected in your official transcript.

Data Analytics (DA)

- IE5002 Applied Engineering Statistics (**compulsory**)
- IE5005 Data Analytics For Industrial Engineering (**compulsory**)
- IE5202 Applied Forecasting Methods
- IE5231 Statistical Methods for Process Design and Control
- IE5600 Applied Programming for Industrial Systems
- IE5602 Statistical Learning in Engineering I

Engineering and Service Management (ESM)

- IE5003 Cost Analysis And Engineering Economy (**compulsory**)
- IE5006 Large Scale Systems Engineering
- IE5121 Quality Planning and Management
- IE5208 Systems Approach to Project Management
- IE5213 Service Innovation and Management
- MT5006 Value Creation Through Product Development

- MT5024 Maximising Innovation Value through Patent Analytics

Operations Research (OR)

- IE5001 Operations Research for Decision Making (compulsory)
- IE5004 Stochastic Models and Their Applications (compulsory)
- IE5005 Data Analytics For Industrial Engineering
- IE5105 Modelling for Supply Chain Systems
- IE5203 Decision Analysis
- IE5205 Healthcare System and Analytics
- IE5504 Systems Modelling and Advanced Simulation
- IE5604 Optimisation Modelling and Applications

Systems Engineering (SE)

- IE5006 Large Scale Systems Engineering (compulsory)
- IE5123 Reliability Engineering and Asset Management
- IE5205 Healthcare System and Analytics
- IE5206 Energy and Sustainability
- IE5221 Transportation Modeling and Economics
- IE5504 Systems Modelling and Advanced Simulation

Tuition Fees

The full programme fee for Academic Year (AY) 2022/23 is S\$51,360 (inclusive of GST*). Programme fees are reviewed yearly and thus subjected to revisions. Payment schedule, due on the first week of every semester, is as follows:

Full Programme Fees (inclusive of 7% GST*)	Acceptance Fee	1 st Semester	2 nd Semester	3 rd Semester	4 th Semester
Full-time Students	S\$2,140	S\$24,610	S\$24,610	N.A.	N.A.
Part-Time Students	S\$2,140	S\$12,305	S\$12,305	S\$12,305	S\$12,305

- The fees listed are in Singapore Dollars (S\$) and inclusive of 7% Goods and Services Tax (GST).
- A non-refundable application fee of S\$50 (inclusive of 7% GST) must accompany your online application.
- Payment of fees will be on an instalment basis, paid over 2 semesters for full-time students and (up to) 4 semesters for part-time students. Complete fee must be paid before a student can graduate from the programme.
- Students need to separately pay for **Miscellaneous Student Fee (MSF)** directly to the University on a semester basis. Fees are reviewed annually. For the latest Miscellaneous student fees, please refer to Registrar's Office website [here](#).
- Acceptance Fee of S\$2,140 – which will be credited towards your programme fees – is payable upon acceptance into the programme. Fee is non-refundable and non-transferable.
- Programme fee is for 40 Modular Credits (MCs) only. To graduate, a student has to complete 40 MCs. Students reading more than 40 MCs will incur additional prorated programme fees (without subsidy/rebate) at the prevailing rate of the Academic Year in which the module is read.
- Programme fees do not include the cost of recommended textbooks and readings.
- The cost of travel, accommodation and miscellaneous expenses are not included and are to be borne by the participant. For an estimated cost of living, please click [here](#).

AY2022/2023 Fee Rebate

Fee rebates will be awarded to deserving applicants based on merit. Applicants will be notified of their awarded fee rebate quantum when they receive their offer letter.

Nationality	Fee Rebate
Singapore Citizen (SC)	Up to 60% of Programme Fees
Singapore Permanent Residents (SPR)	Up to 30% of Programme Fees
International	Up to 30% of Programme Fees, for top international students (within top 10%)

As an illustration, if you received fee rebate of 30%, the nett programme fee payable will be S\$35,952 (inclusive of GST) and the payment schedule will be as below.

Example:	Acceptance Fee	1 st Semester	2 nd Semester	3 rd Semester	4 th Semester
Full-time Students	S\$2,140	S\$16,906	S\$16,906	N.A.	N.A.
Part-Time Students	S\$2,140	S\$8,453	S\$8,453	S\$8,453	S\$8,453

* All fees shown in the table are inclusive of prevailing GST. The prevailing GST is 7% and from 1st January 2023, the GST will increase to 8%.

Master of Science in Industrial and Systems Engineering Curriculum requirement for AY2021/2022 intake and prior

Students have to complete at least 16MCs from the core list. The remaining 24 MCs can be from the core or elective modules. All modules are 4MCs unless otherwise indicated.

Core modules (16 MCs)	1) IE5001 Operations Planning and Control I 2) IE5002 Applied Engineering Statistics 3) IE5003 Cost Analysis And Engineering Economy 4) IE5004 Engineering Probability and Simulation
Elective modules (24 MCs)	Group A – Specialisation in <u>Project Management</u> <i>Students need to take 1 PM Core module and 4 elective modules related to Project Management Specialisation and attain overall CAP of 3.5</i> 1) IE5208 Systems Approach to Project Management (core) 2) IE5121 Quality Planning and Management 3) IE5202 Applied Forecasting Methods 4) IE5121 New Product Management 5) IE5301 Human Factors In Engineering and Design 6) IE5404 Large Scale Systems Engineering Group B – Specialisation in <u>Operation Research</u> <i>Students need to take 5 elective modules related to Operation Research Specialisation and attain overall CAP of 3.5</i> 1) IE5105 Modelling for Supply Chain Systems 2) IE5107 Material Flow Systems 3) IE5108 Facility Layout and Location 4) IE5123 Reliability Engineering 5) IE5203 Decision Analysis 6) IE5504 Systems Modelling and Advanced Simulation 7) IE5600 Applied Programming for Industrial Systems 8) IE5202 Applied Forecasting Methods Group C – Specialisation in <u>Systems Engineering</u> <i>Student need to take 5 elective modules related to Systems Engineering Specialisation and attain overall CAP of 3.5</i> 1) IE5205 Healthcare System and Analytics 2) IE5206 Energy and Sustainability 3) IE5208 Systems Approach to Project Management 4) IE5121 Quality Planning and Management 5) IE5404 Large Scale Systems Engineering 6) IE5504 Systems Modelling and Advanced Simulation Group D – other elective modules 1) IE5213 Service Innovation and Management 2) IE5231 Statistical Methods for Process Design and Control 3) IE5881 Selected Topics In Industrial Engineering
	Subject to the approval of the MSc (ISE) Programme Manager, students may be allowed to take up to 8 MC outside the prescribed curriculum, in lieu of the

	required modules to complete the MSc (ISE) degree.
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Students admitted prior to 2022 may refer to their fees at <https://www.nus.edu.sg/registrar/administrative-policies-procedures/graduate/graduate-fees> under Tuition Fee for MOE Government Subsidised Programmes.