Advanced Placement Credits & Exemptions for Freshmen Enrolling in Academic Year 2025/2026
Engineering and Computer Engineering

Acceptable Diplomas for all Engineering Majors (except for Computer Engineering)

Advanced Placement Credits (APCs) will be granted to engineering freshmen with accredited diplomas and who are admitted to the following majors:

1. Biomedical Engineering
2. Chemical Engineering
3. Civil Engineering
4. Electrical Engineering
5. Engineering Science
6. Environmental and Sustainability Engineering
7. Industrial and Systems Engineering
8. Infrastructure and Project Management
9. Materials Science and Engineering
10. Mechanical Engineering
11. Robotics and Machine Intelligence

List 1   Total APCs granted: 38 units

- Unrestricted Elective Courses: 20 units
- EG3611P Industrial Attachment: 10 units
- DTK1234 Design Thinking: 4 units
- EG1311 Design and Make: 4 units

List 2   Total APCs granted: 34 units

- Unrestricted Elective Courses: 20 units
- EG3611P Industrial Attachment: 10 units
- PF1101A Project Management and Finance: 4 units

List 3   Total APCs granted: 30 units

- Unrestricted Elective Courses: 20 units
- EG3611P Industrial Attachment: 10 units

List 4   Total APCs granted: 34 units

- Unrestricted Elective Courses: 20 units
- EG3611P Industrial Attachment: 10 units
- DTK 1234 Design Thinking: 4 units

List 5   Total APCs granted: 34 units

- Unrestricted Elective Courses: 20 units
- EG3611P Industrial Attachment: 10 units
- EE2211 Introduction to Machine Learning: 4 units

Correct as of 16 May 2025

List 1

Polytechnic	Acceptable Diplomas for all Engineering Majors
Nanyang Polytechnic	• Aeronautical & Aerospace Technology • Aerospace Systems & Management • Biologics & Process Technology • Biomedical Engineering • Chemical & Green Technology • Chemical & Pharmaceutical Technology • Advanced & Digital Manufacturing *(Predecessor: Digital & Precision Engineering)* • Digital & Precision Engineering • Digital Entertainment Technology • Electrical Engineering with Eco-Design • Electronic & Computer Engineering *(Predecessor: Electronic Systems)* • Electronics, Computer & Communication Engineering • Electronics, Computer & Control Engineering • Electronic Systems • Engineering with Business • Infocomm & Media Engineering *(Predecessor: Multimedia & Infocomm Technology)* • Infocomm and Security • Infocomm & Security • Information Technology • Manufacturing Engineering • Mechatronics Engineering • Multimedia & Infocomm Technology • Multimedia Systems Engineering • Nanotechnology & Materials Science • Robotics & Mechatronics • Telematics & Media Technology
Ngee Ann Polytechnic	• Aerospace Electronics / Aerospace Electronics (with Minor in Business Management) • Aerospace Engineering *(Predecessor: Aerospace Technology)* • Aerospace Technology / Aerospace Technology (with Minor in Business Management) • Audio-visual Technology / Audio-visual Technology (with Minor in Business Management)

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	• Automation Mechatronic Systems / Automation Mechatronic Systems (with Minor in Business Management) • Biomedical Engineering / Biomedical Engineering (with Minor in Business Management) • Building Services Engineering • Business Process & Quality Engineering • Chemical Engineering • Chemical & Biomolecular Engineering • Civil & Environmental Engineering • Clean Energy Management • Design *(Merger of Diploma in Product Design & Innovation; and Diploma in Sustainable Urban Design & Engineering)* • Electrical Engineering / Electrical Engineering (with Minor in Business Management) • Electrical & Electronic Engineering • Electronic Engineering • Electronics & Computer Engineering / Electronic & Computer Engineering (with Minor in Business Management) • Electronics & Telecommunications Engineering • Engineering Science • Environmental Engineering • Environmental & Water Technology • Internetworking & Communications • Logistics Management • Logistics Engineering & Management • Marine & Offshore Technology / Marine & Offshore Technology (with Minor in Business Management) • Mechanical Engineering / Mechanical Engineering (with Minor in Business Management) • Mechatronics Engineering / Mechatronics Engineering (with Minor in Business Management) • Network Systems & Security • Product Design & Innovation • Quality Assurance Engineering • Quality Management & Engineering • Shipbuilding & Offshore Engineering • Shipbuilding & Repair Technology • Sustainable Urban Design & Engineering
Republic Polytechnic	• Aerospace Avionics • Aerospace Engineering

	• Aerospace Engineering (Quality Systems)
	• Aviation Management
	• Biomedical Electronics
	• Biomedical Electronics Engineering
	• Civil Aviation
	• Communications & Automation Electronics
	• Digital Entertainment Electronics
	• Electrical and Electronic Engineering
	• Electronics Engineering
	• Engineering Design with Business
	• Engineering Systems and Management
	• Green Building Energy Management
	• Industrial & Operations Management
	• Industrial & Systems Engineering
	• Interactive & Digital Media
	• IT Service Management
	• Materials Science
	• Micro & Nanotechnology
	• Renewable Energy Engineering
	• Supply Chain Management
	• Sustainable Built Environment
Singapore Polytechnic	• Aeronautical Engineering
	• Aerospace Electronics
	• Applied Chemistry
	• Applied Chemistry with Materials Science
	• Applied Chemistry with Pharmaceutical Science
	• Bioelectronics
	• Bioengineering
	• Chemical Engineering
	• Chemical Process Technology
	• Civil Engineering _(Predecessor: Civil Engineering with Business)_
	• Civil & Structural Engineering
	• Civil Engineering and Management
	• Civil Engineering with Business
	• Clean Energy
	• Computer & Network Technology
	• Computer Engineering

	• Electrical & Computer Control Engineering
	• Electrical Engineering
	• Electronics, Computer & Communication Engineering
	• Electronics & Communications Engineering
	• Electronic, Computer & Communication Engineering (Biomedical Engineering option)
	• Electrical & Electronic Engineering
	• Energy Systems and Management
	• Engineering Systems
	• Engineering with Business
	• Environmental Management & Water Technology
	• Food Science and Technology
	• Games Design & Development
	• Info-Communication Engineering & Design
	• Information Communication Technology
	• Instrumentation & Control Engineering
	• Manufacturing Engineering
	• Marine Engineering
	• Materials Engineering
	• Materials Science
	• Mechanical Engineering
	• Mechatronics
	• Mechatronics and Robotics
	• Process Engineering
	• Production Engineering
	• Resort Facilities Services and Management
	• Structural Engineering
Temasek Polytechnic	• Aerospace Electronics
	• Aerospace Engineering
	• Architectural Technology & Building Services *(Predecessor: Green Building & Sustainability)*
	• Biomedical Engineering
	• Biomedical Informatics & Engineering
	• Business Process & Systems Engineering
	• Chemical Engineering
	• Clean Energy
	• Computer Engineering
	• Cyber & Digital Security

	• Cybersecurity & Digital Forensics
	• Digital Forensics
	• Electronics
	• Game & Entertainment Technology
	• Game Design & Development
	• Green Building & Sustainability
	• Infocomm & Network Engineering
	• Information Technology
	• Media & Communication Technology
	• Mechatronics
	• Microelectronics
	• Mobile & Network Services
	• Quality Engineering
	• Quality Engineering & Management
	• Telecommunications

List 2

Polytechnic	Acceptable Diplomas for all Engineering Majors
Ngee Ann Polytechnic	• Hotel and Leisure Facilities Management • Real Estate Business
Singapore Polytechnic	• Facilities Management • Hotel and Leisure Facilities Management • Integrated Events and Project Management
Temasek Polytechnic	• Aviation Management • Aviation Management & Services • Integrated Facility Management

List 3

Polytechnic	Acceptable Diplomas for all Engineering Majors
Ngee Ann Polytechnic	• Information Technology
Republic Polytechnic	• Applied Chemistry
Singapore Polytechnic	• Biomedical Science • Perfumery and Cosmetic Science

List 4

Polytechnic	Acceptable Diplomas for all Engineering Majors
Singapore Polytechnic	• Media, Arts & Design (Game Design & Development)

List 5

Polytechnic	Acceptable Diplomas for all Engineering Majors
Nanyang Polytechnic	• AI & Data Engineering

College of Design and Engineering
Dean's Office (Office of Undergraduate Programmes)

Acceptable Diplomas for Computer Engineering

Advanced Placement Credits (APCs) will be granted to engineering freshmen with accredited diplomas and who are admitted to Computer Engineering.

List 1   Total APCs granted: 38 units

- Unrestricted Elective Courses: 20 units
- EG3611P Industrial Attachment: 10 units
- DTK1234 Design Thinking: 4 units
- EG1311 Design and Make: 4 units

List 2   Total APCs granted: 24 units

- Unrestricted Elective Courses: 20 units
- DTK1234 Design Thinking: 4 units

List 3   Total APCs granted: 20 units

- Unrestricted Elective Courses: 20 units

List 4   Total APCs granted: 34 units

- Unrestricted Elective Courses: 20 units
- EG3611P Industrial Attachment: 10 units
- EE2211 Introduction to Machine Learning: 4 units

List 5   Total APCs granted: 30 units

- Unrestricted Elective Courses: 20 units
- EG3611P Industrial Attachment: 10 units

List 1

Polytechnic	Acceptable Diplomas for Computer Engineering Major
Nanyang Polytechnic	• Aeronautical & Aerospace Technology • Aerospace Systems & Management • Applied AI & Analytics *(Predecessor: Business Intelligence & Analytics* • Biomedical Engineering • Business Enterprise IT • Business Intelligence & Analytics • Cyber Security & Forensics • Cybersecurity & Digital Forensics • Digital Entertainment Technology • Electrical Engineering with Eco-Design • Electronic & Computer Engineering

Polytechnic	Acceptable Diplomas for Computer Engineering Major
	(Predecessor: Electronic Systems)
	• Electronic Systems
	• Electronics, Computer & Communication Engineering
	• Electronics, Computer & Control Engineering
	• Engineering Informatics
	• Financial Informatics
	• Game Development & Technology
	• Infocomm & Media Engineering *(Predecessor: Multimedia & Infocomm Technology)*
	• Infocomm and Security
	• Infocomm & Security
	• Information Security
	• Information Technology
	• Mechatronics Engineering
	• Multimedia & Infocomm Technology
	• Multimedia Systems Engineering
	• Nanotechnology & Materials Science
	• Robotics & Mechatronics
	• Telematics & Media Technology
Ngee Ann Polytechnic	• Aerospace Engineering *(Predecessor: Aerospace Technology)*
	• Aerospace Electronics / Aerospace Electronics (with Minor in Business Management)
	• Aerospace Technology / Aerospace Technology (with Minor in Business Management)
	• Audio-visual Technology / Audio-visual Technology (with Minor in Business Management)
	• Automation & Mechatronic Systems / Automation & Mechatronic Systems (with Minor in Business Management)
	• Biomedical Engineering / Biomedical Engineering (with Minor in Business Management)
	• Business Information Technology
	• Clean Energy Management
	• Cybersecurity & Digital Forensics
	• Electrical Engineering / Electrical Engineering (with Minor in Business Management)
	• Electrical & Electronic Engineering
	• Electronic Engineering

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Polytechnic	Acceptable Diplomas for Computer Engineering Major
	• Electronics & Computer Engineering / Electronic & Computer Engineering (with Minor in Business Management)
	• Electronics & Telecommunications Engineering
	• Engineering Science
	• Immersive Media
	• Internetworking & Communications
	• Mechatronics Engineering / Mechatronics Engineering (with Minor in Business Management)
	• Mobile Business Solutions / Information Technology (Mobile Computing)
	• Network Systems & Security
Republic Polytechnic	• Aerospace Avionics
	• Biomedical Electronics
	• Biomedical Electronics Engineering
	• Business Applications
	• Business Computing
	• Business Information Systems
	• Communications & Automation Electronics
	• Digital Design & Development *(Predecessor: Mobile Software Development)*
	• Digital Entertainment Electronics
	• Electrical and Electronic Engineering
	• Electronics Engineering
	• Financial Technology *(Predecessor: Business Applications)*
	• Green Building Energy Management
	• Infocomm Security Management
	• Information Technology
	• Industrial & Operations Management
	• Interactive & Digital Media
	• IT Service Management
	• Mobile Software Development
	• Renewable Energy Engineering
	• Supply Chain Management
Singapore Polytechnic	• Aerospace Electronics
	• Applied AI & Analytics
	• Bioelectronics

Polytechnic	Acceptable Diplomas for Computer Engineering Major
	• Business Information Technology
	• Clean Energy
	• Computer Information Systems
	• Computer & Network Technology
	• Computer Engineering
	• Digital Media
	• Electronics, Computer & Communication Engineering
	• Electronics & Communications Engineering
	• Electrical & Electronic Engineering
	• Energy Systems and Management
	• Engineering Systems
	• Engineering with Business
	• Financial Informatics
	• Games Design & Development
	• Info-Communication Engineering & Design
	• Information Communication Technology
	• Infocomm Security Management
	• Information Technology
	• Mechatronics
	• Mechatronics and Robotics
	• Multimedia Software Engineering
	• Multimedia Technology
Temasek Polytechnic	• 3D Interactive Media Technology
	• Aerospace Electronics
	• Aerospace Engineering
	• Architectural Technology & Building Services
	• Applied Artificial Intelligence
	• Big Data & Analytics
	• Big Data Management & Governance
	• Biomedical Engineering
	• Biomedical Informatics & Engineering
	• Business Intelligence & Analytics
	• Clean Energy
	• Computer Engineering
	• Cyber & Digital Security
	• Cybersecurity & Digital Forensics

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Polytechnic	Acceptable Diplomas for Computer Engineering Major
	• Digital Forensics
	• Electronics
	• Financial Business Informatics
	• Game & Entertainment Technology
	• Game Design & Development
	• Green Building & Sustainability
	• Infocomm & Network Engineering
	• Information Management
	• Information Technology
	• Interactive Media Informatics
	• Internet & Multimedia Development
	• Media & Communication Technology
	• Mechatronics
	• Microelectronics
	• Mobile & Network Services
	• Mobile & Wireless Computing
	• Telecommunications

List 2

Polytechnic	Acceptable Diplomas for Computer Engineering Major
Singapore Polytechnic	• Media, Arts & Design (Game Design & Development)

List 3

Polytechnic	Acceptable Diplomas for Computer Engineering Major
Republic Polytechnic	• Applied Chemistry
Nanyang Polytechnic	• Business & Financial Technology
Ngee Ann Polytechnic	• Data Science

List 4

Polytechnic	Acceptable Diplomas for Computer Engineering Major
Nanyang Polytechnic	• AI & Data Engineering

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List 5

Polytechnic	Acceptable Diplomas for Computer Engineering Major
Ngee Ann Polytechnic	• Information Technology

List 5

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Correct as of 16 May 2025