

**Advanced Placement Credits & Exemptions for Freshmen Enrolling in Academic Year 2021/2022
 Engineering and Computer Engineering**

Acceptable Diplomas for all Engineering Majors except for Computer Engineering

Advanced Placement Credits (APCs) will be granted for engineering freshmen who have diplomas accredited to the Engineering course 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 Engineering
7. Industrial and Systems Engineering
8. Materials Science and Engineering
9. Mechanical Engineering

The APCs granted are:

- Unrestricted Elective Modules: 20 MCs
- EG3611P Industrial Attachment: 10 MCs
- DTK1234 Design Thinking: 4 MCs
- EG1311 Design and Make: 4 MCs
- Total: 38 MCs

Polytechnic	Acceptable Diplomas for all Engineering Majors
Nanyang Polytechnic	<ul style="list-style-type: none"> • Aeronautical & Aerospace Technology • Aerospace Systems & Management • Biologics & Process Technology • Biomedical Engineering • Chemical & Green Technology • Chemical & Pharmaceutical Technology • Digital & Precision Engineering • Digital Entertainment Technology • Electrical Engineering with Eco-Design • Electronic Systems • Electronics, Computer & Communication Engineering • Electronics, Computer & Control Engineering • Engineering with Business • 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

Polytechnic	Acceptable Diplomas for all Engineering Majors
Ngee Ann Polytechnic	<ul style="list-style-type: none"> • 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) • Building Services Engineering • Business Process & Quality Engineering • Chemical Engineering • Chemical & Biomolecular Engineering • Civil & Environmental Engineering • Clean Energy Management • 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	<ul style="list-style-type: none"> • Aerospace Avionics • Aerospace Engineering • Aerospace Engineering (Quality Systems) • Aviation Management • Biomedical Electronics • Biomedical Electronics Engineering • Civil Aviation

Polytechnic	Acceptable Diplomas for all Engineering Majors
Republic Polytechnic	<ul style="list-style-type: none"> • 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
Singapore Polytechnic	<ul style="list-style-type: none"> • 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 • 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

Polytechnic	Acceptable Diplomas for all Engineering Majors
Singapore Polytechnic	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Aerospace Electronics • Aerospace Engineering • 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

Acceptable Diplomas for Computer Engineering Major

Advanced Placement Credits (APCs) will be granted for engineering freshmen who have diplomas accredited to the Computer Engineering Major.

The APCs granted are:

- Unrestricted Elective Modules: 20 MCs
- EG3611P Industrial Attachment: 10 MCs
- DTK1234 Design Thinking: 4 MCs
- EG1311 Design and Make: 4 MCs
- Total: 38 MCs

Polytechnic	Acceptable Diplomas for Computer Engineering Major
Nanyang Polytechnic	<ul style="list-style-type: none"> • Aerospace Systems & Management • Biomedical Engineering • Business Enterprise IT • Business Intelligence & Analytics • Cyber Security & Forensics • Cybersecurity & Digital Forensics • Digital Entertainment Technology • Electrical Engineering with Eco-Design • Electronic Systems • Electronics, Computer & Communication Engineering • Electronics, Computer & Control Engineering • Engineering Informatics • Financial Informatics • Game Development & Technology • Infocomm and Security • Infocomm & Security • Information Security • Information Technology • Mechatronics Engineering • Multimedia & Infocomm Technology • Multimedia Systems Engineering • Robotics & Mechatronics • Telematics & Media Technology
Ngee Ann Polytechnic	<ul style="list-style-type: none"> • 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

Polytechnic	Acceptable Diplomas for Computer Engineering Major
	<ul style="list-style-type: none"> • 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 • Information Technology • Information Technology (Mobile Computing) • Internetworking & Communications • Mechatronics Engineering / Mechatronics Engineering (with Minor in Business Management) • Mobile Business Solutions • Network Systems & Security
Republic Polytechnic	<ul style="list-style-type: none"> • Aerospace Avionics • Biomedical Electronics • Biomedical Electronics Engineering • Business Applications • Business Computing • Business Information Systems • Communications & Automation Electronics • Digital Entertainment Electronics • Electrical and Electronic Engineering • Electronics Engineering • 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	<ul style="list-style-type: none"> • Aerospace Electronics • Bioelectronics • 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

Polytechnic	Acceptable Diplomas for Computer Engineering Major
Singapore Polytechnic	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 3D Interactive Media Technology • Aerospace Electronics • Aerospace Engineering • 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 • 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