COURSES OFFERED IN 2025 JAE

Use **SchoolFinder** at ***www.moe.gov.sg/schoolfinder*** to explore junior colleges and Millennia Institute.

Use **CourseFinder** at ***www.moe.gov.sg/coursefinder*** to explore courses in polytechnics and ITE.

Junior College (JC) Courses
(2-Year Duration)

JC Name	A-Level				International Baccalaureate	
	Arts		Science			
	Course Code	L1R5 Net Aggregate Range for Previous (2024) JAE	Course Code	Net L1R5 Range for Previous (2024) JAE	Course Code	L1R5 net Aggregate Range for Previous (2024) JAE
Anderson Serangoon Junior College	39A	8 to 11	39S	3 to 10	-	-
Anglo-Chinese Junior College	22A	2 to 9	22S	2 to 8	-	-
Anglo-Chinese School (Independent)	-	-	-	-	51I	2 to 4
Catholic Junior College	23A	8 to 13	23S	7 to 12	-	-
Dunman High School	44A	2 to 8	44S	2 to 7	-	-
Eunoia Junior College	38A	3 to 7	38S	2 to 6	-	-
Hwa Chong Institution	24A	2 to 5	24S	2 to 4	-	-
Jurong Pioneer Junior College	40A	9 to 15	40S	5 to 14	-	-
Nanyang Junior College	26A	3 to 6	26S	2 to 5	-	-
National Junior College	27A	6 to 8	27S	2 to 7	-	-
Raffles Institution	28A	2 to 5	28S	2 to 4	-	-
River Valley High School	45A	7 to 9	45S	5 to 8	-	-
St. Andrew's Junior College	30A	5 to 10	30S	3 to 9	-	-
St. Joseph’s Institution	-	-	-	-	52I	2 to 6
Tampines Meridian Junior College	41A	4 to 13	41S	6 to 12	-	-
Temasek Junior College	32A	6 to 8	32S	2 to 7	-	-
Victoria Junior College	33A	2 to 8	33S	2 to 6	-	-
Yishun Innova Junior College	42A	10 to 18	42S	6 to 20	-	-

Millennia Institute (MI) Courses
(3-Year Duration)

School Name	A-Level					
	Arts		Commerce		Science	
	Course Code	Net L1R4 Range for Previous (2024) JAE	Course Code	Net L1R4 Range for Previous (2024) JAE	Course Code	Net L1R4 Range for Previous (2024) JAE
Millennia Institute	43A	9 to 19	43C	8 to 19	43S	6 to 17

ENTRY REQUIREMENTS OF COURSES TO NANYANG POLYTECHNIC

To be eligible for consideration for admission to the various courses in Nanyang Polytechnic, applicants must obtain **26 points or better for the net ELR2B2 aggregate score** (i.e. English Language, 2 relevant subjects and best 2 other subjects, **including CCA Bonus Points**) and meet the minimum entry requirements as shown in the table of courses in this section. CCA cannot be used to meet the minimum entry requirements.

The "**Net ELR2B2 Range for Previous (2024) JAE**" in the table below shows the **net ELR2B2 aggregate of the highest to lowest ranked students who were admitted to these courses through the 2024 Joint Admissions Exercise (JAE)**. These aggregate scores are meant as a reference for applicants applying to these courses, and **do not** constitute the admission scores for subsequent admission exercises. The net ELR2B2 aggregate scores for the courses are not pre-determined by MOE or polytechnics before posting. The eventual course aggregate scores for the 2025 JAE may vary from previous years, depending on students' GCE O-Level examination results and their course choices during the JAE.

Find out about each course at ***www.moe.gov.sg/coursefinder***.

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
APPLIED SCIENCES				
Applied Chemistry	C45	ELR2B2-C	4 to 10	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the following subjects: — 1-6 • Biology • Biotechnology • Chemistry • Food & Nutrition / Nutrition & Food Science • Physics • Science (Physics, Biology) • Science (Chemistry, Biology) • Science (Physics, Chemistry)
Biologics & Process Technology	C49	ELR2B2-C	7 to 11	
Chemical & Pharmaceutical Technology	C73	ELR2B2-C	7 to 13	
Common Science Programme The first semester is common to all students and they will opt for one of the following Diploma courses at the end of semester 1: • Applied Chemistry • Biologics & Process Technology • Chemical & Pharmaceutical Technology • Food Science & Nutrition • Pharmaceutical Science	C27	ELR2B2-C	5 to 12	
Food Science & Nutrition	C69	ELR2B2-C	5 to 12	
Pharmaceutical Science	C65	ELR2B2-C	4 to 10	

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
BUILT ENVIRONMENT				
Architecture	C38	ELR2B2-C	6 to 14	Subject / Grade a) English Language 1-7 b) Additional Mathematics / Mathematics 1-6 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type 1-6
BUSINESS & MANAGEMENT				
Accountancy & Finance	C98	ELR2B2-B	6 to 12	Subject / Grade a) English Language 1-6 b) Additional Mathematics / Mathematics 1-6 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-B Aggregate Type 1-6
Banking & Finance	C96	ELR2B2-B	7 to 12	
Business Management **Specialisations:** • Customer Relationship and Service Management • Event Management • Human Resource Management • International Business • E-Commerce and Retail Management • Marketing & Digital Communications • Supply Chain Management	C94	ELR2B2-B	7 to 15	
Common Business Programme The first semester is common to all students and they will opt for one of the following Diploma courses at the end of semester 1: • Accountancy & Finance • Banking & Finance • Business Management • Food & Beverage Business • Hospitality & Tourism Management	C34	ELR2B2-B	3 to 14	
Food & Beverage Business **Specialisations:** • Food & Beverage Management • Culinary Arts	C46	ELR2B2-B	8 to 16	
Hospitality & Tourism Management	C67	ELR2B2-B	8 to 16	
Mass Media Management ⑦	C93	ELR2B2-B	6 to 12	
Sport & Wellness Management	C81	ELR2B2-B	11 to 16	

<table>
<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td>Business & Financial Technology</td><td>C35</td><td>ELR2B2-C</td><td>7 to 14</td><td>Subject — Grade
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type — 1-6</td></tr>
<tr><td colspan="5">ENGINEERING</td></tr>
<tr><td>Advanced & Digital Manufacturing</td><td>C62</td><td>ELR2B2-C</td><td>12 to 25</td><td rowspan="4">Subject — Grade
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the following subjects: — 1-6
• Biology
• Biotechnology
• Chemistry
• Computing / Computer Studies
• Design & Technology
• Electronics / Fundamentals of Electronics
• Physics
• Science (Physics, Biology)
• Science (Chemistry, Biology)
• Science (Physics, Chemistry)</td></tr>
<tr><td>Aerospace Engineering ⑥
(New Course in JAE)
This is a new course which has been formed from the merger of the following courses. These courses will no longer be offered for the 2025 intake:
<table><tr><th>Course Title & Code</th><th>Net ELR2B2 Range for the Previous (2024) JAE</th></tr><tr><td>Aeronautical & Aerospace Technology C51</td><td>5 to 17</td></tr><tr><td>Aerospace Systems & Management C52</td><td>11 to 17</td></tr></table><u>Specialisations:</u>
• Aerospace (Mechanical)
• Aerospace (Avionics)</td><td>C26</td><td>ELR2B2-C</td><td>-</td></tr>
<tr><td>AI & Data Engineering</td><td>C31</td><td>ELR2B2-C</td><td>6 to 10</td></tr>
<tr><td>Biomedical Engineering ①</td><td>C71</td><td>ELR2B2-C</td><td>8 to 13</td></tr>
</table>

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
Common Engineering Programme The first academic year is common to all students and they will opt for one of the following Diploma courses at the end of academic year 1: • Advanced & Digital Manufacturing • Aerospace Engineering ⑥ • AI & Data Engineering • Biomedical Engineering ① • Electronic & Computer Engineering ① • Robotics & Mechatronics ① • Sustainability in Engineering with Business	C42	ELR2B2-C	4 to 24	Subject — Grade a) English Language 1-7 b) Additional Mathematics / Mathematics 1-6 c) Any one of the following subjects: 1-6 • Biology • Biotechnology • Chemistry • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Physics • Science (Physics, Biology) • Science (Chemistry, Biology) • Science (Physics, Chemistry)
Electronic & Computer Engineering ①	C89	ELR2B2-C	5 to 15	
Infocomm & Media Engineering ① **Specialisations:** • Software & Applications • Cloud Infrastructure & Services • UX Design & Engineering • Media Technology & Systems	C75	ELR2B2-C	7 to 19	
Robotics & Mechatronics ① **Specialisations:** • Wafer Fabrication Technology Automation & Robotics Technology	C87	ELR2B2-C	8 to 26	
Sustainability in Engineering with Business ***(Previously known as Engineering with Business)***	C41	ELR2B2-C	8 to 14	

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
HEALTH SCIENCES				
Nursing ②③	C97*	ELR2B2-C	3 to 28	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the following subjects: — 1-6 • Biology • Biotechnology • Chemistry • Food & Nutrition / Nutrition & Food Science • Physics • Science (Physics, Biology) • Science (Chemistry, Biology) • Science (Physics, Chemistry)
Oral Health Therapy ②④	C72	ELR2B2-C	4 to 10	
HUMANITIES				
Social Work	C47	ELR2B2-A	6 to 11	Subject — Grade a) English Language — 1-6 b) Additional Mathematics / Mathematics — 1-7 c) Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6
INFORMATION & DIGITAL TECHNOLOGIES				
Applied AI & Analytics	C43	ELR2B2-C	3 to 9	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type — 1-6
Common ICT Programme The first academic year is common to all students and they will opt for one of the following Diploma courses at the end of academic year 1: • Applied AI & Analytics • Business & Financial Technology • Cybersecurity & Digital Forensics • Information Technology	C36	ELR2B2-C	4 to 16	
Cybersecurity & Digital Forensics	C54	ELR2B2-C	4 to 10	

* *Applicants require net ELR2B2-C aggregate score of 28 points or better to be eligible for C97.*

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
Game Development & Technology	C70	ELR2B2-C	3 to 16	Subject / Grade a) English Language 1-7 b) Additional Mathematics / Mathematics 1-6 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type 1-6
Information Technology **Specialisations:** • Artificial Intelligence • Cloud Computing • Cyber Security • Modern Application	C85	ELR2B2-C	5 to 15	
MEDIA & DESIGN				
Animation, Games & Visual Effects ⑤ **Specialisations:** • Animation • Games • Visual Effects	C29	ELR2B2-D	5 to 11	Subject / Grade a) English Language 1-7 b) Additional Mathematics / Mathematics 1-7 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-D Aggregate Type 1-6
Common Design & Media Programme ⑤ The first semester is common to all students and they will opt for one of the following Diploma courses at the end of semester 1: • Animation, Games & Visual Effects • Communication & Motion Design • Experiential Product & Interior Design	C28	ELR2B2-D	4 to 16	
Communication & Motion Design ⑤ **Specialisations:** • Communication Design • Motion Design	C30	ELR2B2-D	7 to 15	
Experiential Product & Interior Design ⑤ **Specialisations:** • Interactive Experience • 3D Experience	C32	ELR2B2-D	5 to 16	

Note: (Nanyang Polytechnic)

① *Applicants with colour vision deficiency may encounter difficulties meeting the course requirements and expectations. Interested applicants with this condition are highly encouraged to contact Nanyang Polytechnic for more information.*

② *All prospective healthcare students must be fully vaccinated against COVID-19 with a vaccine regime recognised in Singapore. Those who are medically-ineligible will be subject to prevailing MOH and healthcare institutions' guidelines. Those who are medically eligible and choose to remain unvaccinated may not be able to access the healthcare and community care settings to complete their clinical posting and meet the clinical training requirement necessary for graduation.*

As the delivery of direct patient care is a requisite of healthcare professions, all applicants must pass a medical examination and be certified to have the following abilities to perform patient care activities in a safe and effective manner:

- *Mental-Cognitive ability (including interpersonal-communication ability and behavioural stability) to:*
  - *a) provide safe care to populations, including safety to self*
  - *b) demonstrate emotional-behavioural stability to function under the stress and pressure when performing nursing care on patients*
  - *c) remain calm when being observed by instructors and other health care personnel during clinical practice attachments.*
- *Physical ability to:*
  - *a) move around in the clinical environment, walk/stand, bend, reach, lift climb, push and pull, carry objects*
  - *b) perform patient transfers and complex sequences of hand-eye coordination.*
- *Auditory ability to hear:*
  - *a) faint body sounds*
  - *b) auditory alarms*
  - *c) normal speaking level sounds (i.e. blood pressure sounds, monitors, call bells and person-to-person report).*
- *Visual ability to:*
  - *a) detect changes in physical appearance, colour and contour*
  - *b) read accurately medication/ drug labels, markings on syringes and manometers, written and electronic communication.*

③ *The required abilities stated in ② are stipulated in consultation with Singapore Nursing Board to ensure nursing students are fit to practise when they apply for registration/ enrolment upon graduation from nursing programme.*

④ *Applicants will have to take and pass a manual dexterity test (MDT) as the MDT is required under industry standards to assess the applicant's fine motor skills crucial for handling of specialized instruments for effective and safe delivery of dental treatment.*

⑤ *Applicants with severe colour vision deficiency may encounter difficulties in some modules with high reliance on colour usage. Such applicants may be required to attend an interview to determine their suitability for admission to the course. Interested applicants with this condition are highly encouraged to contact Nanyang Polytechnic for more information.*

⑥ *Applicants with colour vision deficiency, hearing and/or other physical impairment may encounter difficulties meeting the course requirements and expectations. Interested applicants with these conditions are highly encouraged to contact Nanyang Polytechnic for more information.*

⑦ *Applicants with colour vision deficiency, severe vision deficiency or hearing deficiency may encounter difficulties meeting the course requirements and expectations. Interested applicants with these conditions are highly encouraged to contact Nanyang Polytechnic for more information.*

ENTRY REQUIREMENTS OF COURSES TO NGEE ANN POLYTECHNIC

To be eligible for consideration for admission to the various courses in Ngee Ann Polytechnic, applicants must obtain **26 points or better for the net ELR2B2 aggregate score** (i.e. English Language, 2 relevant subjects and best 2 other subjects, **including CCA Bonus Points**) and meet the minimum entry requirements as shown in the table of courses in this section. CCA cannot be used to meet the minimum entry requirements.

The "**Net ELR2B2 Range for Previous (2024) JAE**" in the table below shows the **net ELR2B2 aggregate of the highest to lowest ranked students who were admitted to these courses in the 2024 Joint Admissions Exercise (JAE)**. These aggregate scores are meant as a reference for applicants applying to these courses, and **do not** constitute the admission scores for subsequent admission exercises. The net ELR2B2 aggregate scores for the courses are not pre-determined by MOE or polytechnics before posting. The eventual course aggregate scores for the 2025 JAE may vary from previous years, depending on students' GCE O-Level examination results and their course choices during the JAE.

Find out about each course at ***www.moe.gov.sg/coursefinder***.

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
APPLIED SCIENCES				
Biomedical Science At the end of the first year, students will opt for one of the following: • Medical Bioscience Track • Clinical Laboratory Science Track • Integrated Clinical Training Programme	N59	ELR2B2-C	3 to 7	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the following subjects: — 1-6 • Biology • Biotechnology • Chemistry • Food & Nutrition / Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)
Common Science Programme ① At the end of the first semester, students will opt for one of the following Diploma courses: • Biomedical Science • Pharmaceutical Science ①	N15	ELR2B2-C	6 to 9	
Pharmaceutical Science ①	N73	ELR2B2-C	4 to 9	

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
Chemical & Biomolecular Engineering In the final year, students will opt for one of the following: ▪ Sustainable Energy & Chemistry Track ▪ Biopharmaceutical Track	N56	ELR2B2-C	4 to 12	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the following subjects: — 1-6 • Biology • Biotechnology • Chemistry • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)
Environmental & Water Technology	N74	ELR2B2-C	8 to 17	
Landscape Design & Horticulture	N57	ELR2B2-D	7 to 16	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-7 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-D Aggregate Type — 1-6
BUILT ENVIRONMENT				
Hotel & Leisure Facilities Management ② ③	N40	ELR2B2-C	11 to 16	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the following subjects: — 1-6 • Biology • Biotechnology • Chemistry • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
BUSINESS & MANAGEMENT				
Accountancy [With a choice of 1-year JobReady Programme or 1-semester Business Digitalisation Track in the final year]	N51	ELR2B2-B	4 to 11	Subject — Grade a) English Language — 1-6 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-B Aggregate Type — 1-6
Arts Business Management	N91	ELR2B2-B	6 to 13	
Banking & Finance [With a choice of 1-year JobReady Programme in the final year]	N53	ELR2B2-B	3 to 9	
Business Studies **Specialisations:** • Business Sustainability & Digitalisation • Entrepreneurship • Human Capital Management • Marketing [With a choice of 1-year JobReady Programme or Business Digitalisation Track within specialisations in the final year]	N45	ELR2B2-B	3 to 8	
Common Business Programme At the end of the first year, students will opt for one of the following Diploma courses: • Accountancy • Banking & Finance • Business Studies • International Trade & Business • Tourism & Resort Management	N97	ELR2B2-B	4 to 11	
International Trade & Business [With a choice of 1-year JobReady Programme in the final year]	N85	ELR2B2-B	6 to 13	
Real Estate Business	N48	ELR2B2-B	10 to 14	

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
Tourism & Resort Management [With a choice of 1-year JobReady Programme or Business Digitalisation Track or 1-semester Tourism Startup Internship Project in the final year]	N72	ELR2B2-B	10 to 14	Subject — Grade a) English Language — 1-6 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-B Aggregate Type — 1-6
ENGINEERING				
Aerospace Engineering ① ② ④ **Specialisations:** • Avionics • Mechanical	N65	ELR2B2-C	10 to 16	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the following subjects: — 1-6 • Biology • Biotechnology • Chemistry • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)
Biomedical Engineering ① ② ④	N60	ELR2B2-C	7 to 11	
Common Engineering Programme ① ② ④ At the end of the first semester, students will opt for one of the following Tracks or Diploma courses: • Mechanical Track • Electrical & Electronic Track • Diploma in Offshore & Sustainable Engineering ② ④ ***(Previously known as Diploma in Marine & Offshore Technology)*** At the end of the first year, students will opt for Diploma courses from the following tracks: **Mechanical Track**: • Aerospace Engineering (Mechanical Option) ① ② ④ • Mechanical Engineering ② ④ • Mechatronics & Robotics ① ② ④ **Electrical & Electronic Track**: • Aerospace Engineering (Avionics Option) ① ② ④ • Biomedical Engineering ① ② ④ • Electrical Engineering ① ② ④ • Electronic & Computer Engineering ① ② ④ • Engineering Science ① ② ④	N71	ELR2B2-C	9 to 22	

<table>
<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td>Electrical Engineering ① ② ④

<u>Specialisations:</u>
• Clean Energy Management
• Power Engineering</td><td>N43</td><td>ELR2B2-C</td><td>11 to 23</td><td rowspan="6"><u>Subject</u> <u>Grade</u>
a) English Language 1-7
b) Additional Mathematics / Mathematics 1-6
c) Any one of the following subjects: 1-6

• Biology
• Biotechnology
• Chemistry
• Computing / Computer Studies
• Design & Technology
• Electronics / Fundamentals of Electronics
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
<tr><td>Electronic & Computer Engineering ① ② ④

<u>Specialisations:</u>
• Artificial Intelligence of Things
• Microelectronics</td><td>N44</td><td>ELR2B2-C</td><td>3 to 17</td></tr>
<tr><td>Engineering Science ① ② ④

<u>Specialisations:</u>
• AI for Autonomous Systems
• Data Analytics & Security</td><td>N93</td><td>ELR2B2-C</td><td>4 to 9</td></tr>
<tr><td>Mechanical Engineering ② ④

<u>Specialisations:</u>
• Automation Design Engineering
• Mobility Design Engineering</td><td>N41</td><td>ELR2B2-C</td><td>9 to 24</td></tr>
<tr><td>Mechatronics & Robotics ① ② ④

<u>Specialisations:</u>
• Automation & Industrial Cybersecurity
• Autonomous Systems</td><td>N50</td><td>ELR2B2-C</td><td>7 to 24</td></tr>
<tr><td colspan="5">HEALTH SCIENCES</td></tr>
<tr><td>Nursing ⑤</td><td>N69*</td><td>ELR2B2-C</td><td>5 to 28</td><td rowspan="2"><u>Subject</u> <u>Grade</u>
a) English Language 1-7
b) Additional Mathematics / Mathematics 1-6
c) Any one of the following subjects: 1-6

• Biology
• Biotechnology
• Chemistry
• Food & Nutrition / Nutrition & Food Science
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
<tr><td>Optometry ② ⑥</td><td>N83</td><td>ELR2B2-C</td><td>6 to 12</td></tr>
</table>

* Applicants require net ELR2B2-C aggregate score of 28 points or better to be eligible for N69.

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
HUMANITIES				
Chinese Studies ⑧ **Specialisations:** • Education • Business	N70	ELR2B2-A	7 to 13	Subject — Grade a) English Language — 1-6 b) Higher Chinese ***or*** — 1-4 Chinese — 1-3 c) Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6 *To be eligible for selection, students must also have sat for Additional Mathematics / Mathematics.*
Psychology & Community Development ***(Previously known as Community Development)*** **Specialisations:** • Youth • Seniors • Disabilities	N11	ELR2B2-A	4 to 13	Subject — Grade a) English Language — 1-6 b) Additional Mathematics / Mathematics — 1-7 c) Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6
HUMANITIES (Conducted by the National Institute of Early Childhood Development in collaboration with Ngee Ann Polytechnic)				
Early Childhood Development & Education ⑦ **Track:** • Early Intervention • Mother Tongue Language Teaching – Chinese • Mother Tongue Language Teaching – Tamil	N96	ELR2B2-A	5 to 20	Subject — Grade a) English Language — 1-6 b) Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6 *To be eligible for selection, students must also have sat for Additional Mathematics / Mathematics.*
Tamil Studies with Early Education ⑦ ⑧	N95	ELR2B2-A	18 to 22	Subject — Grade a) English Language — 1-6 b) Higher Tamil ***or*** — 1-4 Tamil — 1-3 c) Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6 *To be eligible for selection, students must also have sat for Additional Mathematics / Mathematics.*

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
INFORMATION & DIGITAL TECHNOLOGIES				
Common ICT Programme ① ② ③ At the end of the first semester, students will opt for one of the following Diploma courses: • Cybersecurity & Digital Forensics ② • Data Science ② • Immersive Media ① ② ③ • Information Technology ②	N98	ELR2B2-C	3 to 14	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type — 1-6
Cybersecurity & Digital Forensics ② **Specialisations:** • AI for Cybersecurity • Cloud Security	N94	ELR2B2-C	3 to 11	
Data Science ② **Specialisations:** • Generative AI • Data Engineering	N81	ELR2B2-C	3 to 12	
Immersive Media ① ② ③	N55	ELR2B2-C	4 to 16	
Information Technology ② **Specialisations:** • Artificial Intelligence • Cloud Computing • Enterprise Computing • Software Engineering	N54	ELR2B2-C	4 to 15	
MARITIME STUDIES				
Offshore & Sustainable Engineering ② ④ ***(Previously known as Marine & Offshore Technology)***	N42	ELR2B2-C	10 to 25	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the following subjects: — 1-6 • Biology • Biotechnology • Chemistry • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
MEDIA & DESIGN				
Chinese Media & Communication	N88	ELR2B2-A	8 to 13	Subject — Grade a) English Language — 1-6 b) Higher Chinese ***or*** — 1-4 Chinese — 1-3 c) Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6 *To be eligible for selection, students must also have sat for Additional Mathematics / Mathematics.*
Common Media Programme ① ② ③ At the end of the first semester, students will opt for one of the following Diploma courses: • Film, Sound & Video ② ③ • Mass Communication • Media Post-Production ① ② ③ (Note: Students opting to be streamed into the Diploma in Mass Communication must obtain grade 1 to 4 for O-level English Language)	N14	ELR2B2-A	7 to 12	Subject — Grade a) English Language — 1-6 b) Additional Mathematics / Mathematics — 1-7 c) Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6
Mass Communication	N67	ELR2B2-A	3 to 10	Subject — Grade a) English Language — 1-4 b) Additional Mathematics / Mathematics — 1-7 c) Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6
Media Post-Production ① ② ③	N13	ELR2B2-A	8 to 14	Subject — Grade a) English Language — 1-6 b) Additional Mathematics / Mathematics — 1-7 c) Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6
Film, Sound & Video ② ③	N82	ELR2B2-A	3 to 11	
Design ② **Specialisations:** • Architecture • Product Innovation	N12	ELR2B2-D	7 to 15	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-7 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-D Aggregate Type — 1-6

Note: (Ngee Ann Polytechnic)

① *Applicants with colour vision deficiency may encounter difficulties meeting the course requirements and expectations. Interested applicants are advised to contact Ngee Ann Polytechnic for more information.*

② *Applicants with severe vision deficiency may encounter difficulties meeting the course requirements and expectations. Interested applicants are advised to contact Ngee Ann Polytechnic for more information.*

③ *Applicants with hearing deficiency may encounter difficulties meeting the course requirements and expectations. Interested applicants are advised to contact Ngee Ann Polytechnic for more information.*

④ *Applicants with profound hearing deficiency, uncontrolled epilepsy and/or severe physical impairments may encounter difficulties meeting the course requirements and expectations. Interested applicants with any of these conditions are advised to contact Ngee Ann Polytechnic for more information.*

⑤ *All prospective healthcare students must be fully vaccinated against COVID-19 with a vaccine regime recognised in Singapore. Those who are medically-ineligible will be subjected to prevailing MOH and healthcare institutions' policies. Those who are medically eligible and choose to remain unvaccinated may not be able to access the healthcare and community care settings to complete their clinical posting and meet the clinical training requirement necessary for graduation.*

*As the delivery of direct patient care is a requisite of healthcare professions, all applicants applying for **N69 (Diploma in Nursing)** must pass a medical examination and be certified to have the following abilities to perform patient care activities in a safe and effective manner:*

- ***Mental-Cognitive** ability (interpersonal-communication ability and behavioural stability) to:*
  a) *provide safe care to populations, including safety to self*
  b) *demonstrate emotional-behavioural stability to function under the stress and pressure when performing nursing care on patients*
  c) *remain calm when being observed by instructors and other health care personnel during clinical practice attachments.*
- ***Physical ability** to:*
  a) *move around in the clinical environment, walk/stand, bend, reach, lift, climb, push and pull, carry objects*
  b) *perform patient transfers and complex sequences of hand-eye coordination.*
- ***Auditory ability** to:*
  a) *hear faint body sounds*
  b) *auditory alarms*
  c) *normal speaking level sounds (i.e. blood pressure sounds, monitors, call bells and person-to-person report).*
- ***Visual ability** to:*
  a) *detect changes in physical appearance, colour and contour*
  b) *read accurately medication / drug labels, markings on syringes and manometers, written and electronic communication.*

The above required abilities are stipulated in consultation with Singapore Nursing Board to ensure nursing students are fit to practise when they apply for registration/ enrolment upon graduation from nursing programme.

⑥ *Applicants with severe physical impairments applying for **N83 (Diploma in Optometry)** may encounter difficulties meeting the course requirements and expectations. Please refer to the Optometrists & Opticians Board (OOB) Professional Practice Code and Guidelines on "Fitness to Practice" for guidance. Interested applicants are advised to contact Ngee Ann Polytechnic for more information.*

⑦ *Applicants applying for **N95 (Diploma in Tamil Studies with Early Education)** and **N96 (Diploma in Early Childhood Development & Education)** have to pass a pre-admission medical examination. In addition, to ensure the well-being and safety of children, the Early Childhood Development Agency (ECDA) requires all pre-school staff to be certified medically fit to work with young children. More details on the medical examination can be found at **bit.ly/NIECmedical**.*

*Applicants admitted to **N95 (Diploma in Tamil Studies with Early Education)** or **N96 (Diploma in Early Childhood Development & Education)** who are keen to register to be certified by the Early Childhood Development Agency (ECDA) as an L2 English Language Preschool Teacher (deployable to teach up to kindergarten level) after graduation must obtain **a minimum of B4 in their GCE O-Level English Language (EL)** or an English Language Acceptable Alternative (ELAA). Applicants who do not meet this EL requirement would be given up to 2 years from their registration as preschool teachers to do so. The diploma is awarded by the National Institute of Early Childhood Development in collaboration with Ngee Ann Polytechnic.*

⑧ ***N95 (Diploma in Tamil Studies with Early Education)** and **N70 (Diploma in Chinese Studies)***

*The Diploma in Tamil Studies with Early Education will allow graduates to teach in both Ministry of Education (MOE) primary schools as well as the Early Childhood sector – subject to additional industry-specific requirements. Applicants admitted to the Diploma in Chinese Studies who wish to teach in MOE primary schools should choose the **Education** specialisation option (at the end of Year 1).*

*Applicants who are keen on a teaching career with the Ministry of Education (MOE) are encouraged to apply under a separate exercise administered by MOE. For more information, please visit **www.moe.gov.sg/careers/become-teachers**. Applicants should apply directly to MOE at the above MOE teach website and click on the link 'Teacher*

Training Programmes' to apply online. Short-listed candidates will be invited for an interview to determine their eligibility for MOE Teacher Training Scheme. Selected candidates for the Teacher Training Scheme must pass a medical examination.

ENTRY REQUIREMENTS OF COURSES TO REPUBLIC POLYTECHNIC

To be eligible for consideration for admission to the various courses in Republic Polytechnic, applicants must obtain **26 points or better for the net ELR2B2 aggregate score** (i.e. English Language, 2 relevant subjects and best 2 other subjects, **including CCA Bonus Points**) and meet the minimum entry requirements as shown in the table of courses in this section. CCA cannot be used in meeting the minimum entry requirements.

The "**Net ELR2B2 Range for Previous (2024) JAE**" in the table below shows the **net ELR2B2 aggregate of the highest to lowest ranked students who were admitted to these courses in the 2024 Joint Admissions Exercise (JAE)**. These aggregate scores are meant as a reference for applicants applying to these courses, and **do not** constitute the admission scores for subsequent admission exercises. The net ELR2B2 aggregate scores for the courses are not pre-determined by MOE or polytechnics before posting. The eventual course aggregate scores for the 2025 JAE may vary from previous years, depending on students' GCE O-Level examination results and their course choices during the JAE.

Find out about each course at ***www.moe.gov.sg/coursefinder***.

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
APPLIED SCIENCES				
Applied Chemistry ①	R17	ELR2B2-C	10 to 19	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the following subjects: — 1-6 • Biology • Biotechnology • Chemistry • Food & Nutrition / Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)
Biological Sciences ① ***(Previously known as Biotechnology)*** **Specialisations:** Ⓐ • Biotechnology • Food & Agricultural Science	R16	ELR2B2-C	11 to 19	
Biomedical Science ① **Specialisations:** Ⓐ • Biomedical Research • Medical Laboratory Technology	R14	ELR2B2-C	7 to 12	

<table>
<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td>Common Science Programme ①

At the end of semester 1, students will opt for one of the following Diplomas/Cluster:<ul><li>Applied Chemistry</li><li>Biological Sciences</li><li>Biomedical Science</li><li>Environmental & Marine Science</li><li>Pharmaceutical Science</li><li>Biological Sciences Cluster</li></ul>For Biological Sciences Cluster, students will opt for one of the following Diplomas at the end of semester 2:<ul><li>Biological Sciences</li><li>Biomedical Science</li><li>Pharmaceutical Science</li></ul></td><td>R59</td><td>ELR2B2-C</td><td>6 to 19</td><td rowspan="3">Subject — Grade
a) English Language 1-7
b) Additional Mathematics / Mathematics 1-6
c) Any one of the following subjects: 1-6<ul><li>Biology</li><li>Biotechnology</li><li>Chemistry</li><li>Food & Nutrition / Nutrition & Food Science</li><li>Physics</li><li>Science (Chemistry, Biology)</li><li>Science (Physics, Biology)</li><li>Science (Physics, Chemistry)</li></ul></td></tr>
<tr><td>Environmental & Marine Science ① ② ③</td><td>R62</td><td>ELR2B2-C</td><td>6 to 14</td></tr>
<tr><td>Pharmaceutical Science ①

<u>Specialisations</u>: Ⓐ<ul><li>Patient Care Practice</li><li>Pharmaceutical Industry Practice</li></ul></td><td>R22</td><td>ELR2B2-C</td><td>11 to 18</td></tr>
<tr><td colspan="5">BUILT ENVIRONMENT</td></tr>
<tr><td>Sustainable Built Environment</td><td>R61</td><td>ELR2B2-C</td><td>16 to 26</td><td>Subject — Grade
a) English Language 1-7
b) Additional Mathematics / Mathematics 1-6
c) Any one of the following subjects: 1-6<ul><li>Biology</li><li>Biotechnology</li><li>Chemistry</li><li>Computing / Computer Studies</li><li>Design & Technology</li><li>Electronics / Fundamentals of Electronics</li><li>Physics</li><li>Science (Chemistry, Biology)</li><li>Science (Physics, Biology)</li><li>Science (Physics, Chemistry)</li></ul></td></tr>
</table>

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
BUSINESS & MANAGEMENT				
Business **Specialisations:** Ⓐ • Banking & Finance • Digital Marketing • International Business	R60	ELR2B2-B	12 to 18	Subject / Grade a) English Language 1-6 b) Additional Mathematics / Mathematics 1-6 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-B Aggregate Type 1-6
Common Business Programme ⑦ At the end of semester 1, students will opt for one of the following Diplomas/Clusters: • Business • Consumer Insights & Psychology • Events & Project Management • Hospitality & Tourism Management • Hotel & Leisure Management • Human Resource Management with Psychology • Restaurant & Culinary Management • Business Cluster • Hospitality Cluster For Business Cluster, students will opt for one of the following Diplomas at the end of semester 2: • Business • Consumer Insights & Psychology • Human Resource Management with Psychology For Hospitality Cluster, students will opt for one of the following Diplomas at the end of semester 2: • Events & Project Management • Hospitality & Tourism Management • Hotel & Leisure Management • Restaurant & Culinary Management	R57	ELR2B2-B	10 to 23	

<table>
<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td>Consumer Insights & Psychology

(Previously known as Consumer Behaviour & Research)</td><td>R48</td><td>ELR2B2-B</td><td>14 to 17</td><td rowspan="3"><u>Subject</u> — <u>Grade</u>
a) English Language — 1-6
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-B Aggregate Type — 1-6</td></tr>
<tr><td>Events & Project Management

(Previously known as Integrated Events Management)</td><td>R28</td><td>ELR2B2-B</td><td>12 to 26</td></tr>
<tr><td>Hospitality & Tourism Management

(New course in JAE)

This is a new course which has been formed from the merger of the following courses. These courses will no longer be offered for the 2025 intake:
<table>
<tr><th>Course Title & Code</th><th>Net ELR2B2 Range for the Previous (2024) JAE</th></tr>
<tr><td>Customer Experience Management with Business
R34</td><td>12 to 26</td></tr>
<tr><td>Tourism Management with Technology
R64</td><td>14 to 24</td></tr>
</table>
<u>Specialisations</u>: Ⓐ
• Customer Experience & Innovation
• Sales & Revenue Management
• Sustainable Tourism</td><td>R66</td><td>ELR2B2-B</td><td>-</td></tr>
</table>

<table>
<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td>Hotel & Leisure Management ③

(Previously known as Hotel & Hospitality Management)</td><td>R37</td><td>ELR2B2-B</td><td>13 to 26</td><td rowspan="3"><u>Subject</u> — <u>Grade</u>
a) English Language — 1-6
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-B Aggregate Type — 1-6</td></tr>
<tr><td>Human Resource Management with Psychology</td><td>R52</td><td>ELR2B2-B</td><td>12 to 16</td></tr>
<tr><td>Restaurant & Culinary Management ③

(Previously known as Restaurant & Culinary Operations)</td><td>R46</td><td>ELR2B2-B</td><td>15 to 26</td></tr>
<tr><td>Aviation Management</td><td>R39</td><td>ELR2B2-C</td><td>12 to 23</td><td rowspan="3"><u>Subject</u> — <u>Grade</u>
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the following subjects: — 1-6
• Biology
• Biotechnology
• Chemistry
• Computing / Computer Studies
• Design & Technology
• Electronics / Fundamentals of Electronics
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
<tr><td>Business Process & Engineering Management

(Previously known as Industrial & Operations Management)</td><td>R11</td><td>ELR2B2-C</td><td>10 to 26</td></tr>
<tr><td>Supply Chain Management</td><td>R21</td><td>ELR2B2-C</td><td>15 to 26</td></tr>
</table>

<table>
<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td colspan="5">ENGINEERING</td></tr>
<tr><td>Aerospace Engineering ① ③⑤⑧</td><td>R40</td><td>ELR2B2-C</td><td>13 to 26</td><td rowspan="2">Subject — Grade
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the following subjects: — 1-6
• Biology
• Biotechnology
• Chemistry
• Computing / Computer Studies
• Design & Technology
• Electronics / Fundamentals of Electronics
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
<tr><td>Common Engineering Programme ⑧

At the end of semester 1, students will opt for one of the following Diplomas/Clusters:
• Aerospace Engineering
• Aviation Management
• Business Process & Engineering Management
• Electrical & Electronic Engineering
• Engineering
• Mobility & Robotic Systems
• Supply Chain Management
• Sustainable Built Environment
• Engineering Cluster
• Engineering Management Cluster

For Engineering Cluster, students will opt for one of the following Diplomas at the end of semester 2:
• Aerospace Engineering
• Electronics & Electrical Engineering
• Engineering
• Mobility & Robotic Systems
• Sustainable Built Environment

For Engineering Management Cluster, students will opt for one of the following Diplomas at the end of semester 2:
• Aviation Management
• Business Process & Engineering Management
• Engineering
• Supply Chain Management</td><td>R42</td><td>ELR2B2-C</td><td>17 to 26</td></tr>
</table>

<table>
<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td>Electrical & Electronic Engineering ⑧

<u>Specialisations</u>: Ⓐ
• Communications
• Microelectronics</td><td>R50</td><td>ELR2B2-C</td><td>12 to 26</td><td rowspan="4">Subject — Grade
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the following subjects: — 1-6
• Biology
• Biotechnology
• Chemistry
• Computing / Computer Studies
• Design & Technology
• Electronics / Fundamentals of Electronics
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
<tr><td>Engineering

(Previously known as Engineering Design with Business)

<u>Specialisations</u>: Ⓐ
• Innovation & Design
• Project Management
• Sustainable Technology</td><td>R56</td><td>ELR2B2-C</td><td>17 to 26</td></tr>
<tr><td>Mobility & Robotic Systems

(Previously known as Engineering Systems & Management)</td><td>R54</td><td>ELR2B2-C</td><td>16 to 23</td></tr>
<tr><td colspan="5">HEALTH SCIENCES</td></tr>
<tr><td>Outdoor Education ②④

(Previously known as Outdoor & Adventure Learning)</td><td>R33</td><td>ELR2B2-B</td><td>7 to 26</td><td>Subject — Grade
a) English Language — 1-6
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-B Aggregate Type — 1-6</td></tr>
</table>

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
Common Sports and Health Programme ⑨ At the end of semester 1, students will opt for one of the following Diplomas/Clusters: • Integrated Community Care • Outdoor Education • Sport Coaching • Sport & Exercise Science • Sports & Health • Health Cluster • Sports Cluster For Health Cluster, students will opt for one of the following Diplomas at the end of semester 2: • Integrated Community Care • Sports & Health For Sports Cluster, students will opt for one of the following Diplomas at the end of semester 2: • Sport Coaching • Sport & Exercise Science	R63	ELR2B2-C	13 to 26	<u>Subject</u> — <u>Grade</u> a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the following subjects: — 1-6 • Biology • Biotechnology • Chemistry • Design & Technology • Electronics / Fundamentals of Electronics • Exercise & Sports Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)
Integrated Community Care ①③⑤ ***(Previously known as Health Services Management)***	R45	ELR2B2-C	17 to 26	
Sport Coaching ③	R49	ELR2B2-C	16 to 23	
Sport & Exercise Science ③	R26	ELR2B2-C	7 to 15	
Sports & Health ①③⑤ ***(Previously known as Health Management & Promotion)*** **<u>Specialisations</u>:** Ⓐ • Health Coaching • Sports Management	R43	ELR2B2-C	16 to 26	

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
MEDIA & DESIGN				
Mass Communication	R32	ELR2B2-A	11 to 17	Subject — Grade a) English Language — 1-4 b) Additional Mathematics / Mathematics — 1-7 c) Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6
Common Arts, Media and Design Programme ⑩ ***(Previously known as Common Arts, Design and Media Programme)*** At the end of semester 2, students will opt for one of the following Diplomas: • Arts & Entertainment Production Management • Digital Content Creation • Design • Sonic Arts	R65	ELR2B2-A	13 to 21	Subject — Grade a) English Language — 1-6 b) Additional Mathematics / Mathematics — 1-7 c) Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6
Arts & Entertainment Production Management ①⑥⑧ ***(Previously known as Arts & Theatre Management)***	R25	ELR2B2-A	13 to 22	
Digital Content Creation ③ ***(Previously known as Media Production & Design)***	R19	ELR2B2-A	12 to 19	

<table>
<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td>Design ③⑧

(New course in JAE)

This is a new course which has been formed from the merger of the following courses. These courses will no longer be offered for the 2025 intake:
<table>
<tr><th>Course Title & Code</th><th>Net ELR2B2 Range for the Previous (2024) JAE</th></tr>
<tr><td>Design for Games & Gamification R35</td><td>7 to 17</td></tr>
<tr><td>Design for User Experience R36</td><td>16 to 21</td></tr>
</table>
<u>Specialisations</u>: Ⓐ
• Games & Gamification
• User Experience
• Visual Communication</td><td>R67</td><td>ELR2B2-D</td><td>-</td><td rowspan="2">Subject — Grade
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-7
c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-D Aggregate Type — 1-6</td></tr>
<tr><td>Sonic Arts ③</td><td>R24</td><td>ELR2B2-D</td><td>10 to 20</td></tr>
<tr><td colspan="5">INFORMATION & DIGITAL TECHNOLOGIES</td></tr>
<tr><td>Applied AI & Analytics

(Previously known as Business Information Systems)</td><td>R13</td><td>ELR2B2-C</td><td>14 to 26</td><td rowspan="2">Subject — Grade
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type — 1-6</td></tr>
<tr><td>Common ICT Programme

At the end of semester 2, students will opt for one of the following Diplomas:
• Applied AI & Analytics
• Cybersecurity & Digital Forensics
• Enterprise Cloud Computing & Management
• Financial Technology
• Information Technology</td><td>R58</td><td>ELR2B2-C</td><td>15 to 26</td></tr>
</table>

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
Cybersecurity & Digital Forensics ***(Previously known as Infocomm Security Management)***	R55	ELR2B2-C	10 to 26	<u>Subject</u> — <u>Grade**</u> a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type — 1-6
Enterprise Cloud Computing & Management ***(Previously known as Information Technology)*** **<u>Specialisation:</u>** Ⓐ • Cloud Infrastructure Management	R12	ELR2B2-C	15 to 26	
Financial Technology	R18	ELR2B2-C	13 to 26	
Information Technology ⑪ ***(Previously known as Digital Design & Development)*** **<u>Specialisations</u>:** Ⓐ • Business Digitalisation • Full Stack Development • IT Solutions Management	R47	ELR2B2-C	12 to 25	

Note: (Republic Polytechnic)

① *It should be noted that candidates with visual impairment may encounter difficulties meeting the course requirements and expectations. Applicants with mild visual impairment who are interested to apply for the following Diploma Programmes may be assessed on a case-by-case basis to determine their suitability for the programmes.*

② *Applicants should be confident in water while wearing personal flotation devices. This is because the course includes participation in water-based activities. For more clarifications and information, please check directly with Republic Polytechnic.*

③ *It should be noted that candidates with colour appreciation deficiency, profound hearing loss, uncontrolled epilepsy and/or physical impairments may encounter difficulties meeting the course requirements and expectations. For more clarifications and information, please check directly with Republic Polytechnic.*

④ *In line with industry requirements, applicants who are interested in applying for a Diploma in Outdoor Education (R33) should ensure that they do not have profound mobility, hearing, and visual impairments, as well as neurodiversity such as autism spectrum disorder. They should not have any chronic health conditions such as asthma, epilepsy, skin disorder, high blood pressure, heart problems and schizophrenia. For more clarifications and information, please check directly with Republic Polytechnic.*

⑤ *It should be noted that students with mobility challenges may encounter difficulties meeting the course requirements and expectations. For further clarification and information, please check directly with Republic Polytechnic.*

⑥ *It should be noted that applicants with hearing impairment may encounter difficulties meeting the course requirements and expectations, and may be assessed on a case-by-case basis to determine their suitability for the programme. For more clarifications and information, please check directly with Republic Polytechnic.*

⑦ *Students admitted to the Common Business Programme (R57) must ensure that they satisfy the requirements of the respective diplomas before they can be streamed to the respective courses.*

⑧ *Applicants with mild colour vision deficiency may be assessed on a case-by-case basis to determine their suitability for the courses.*

⑨ *Students admitted to the Common Sports and Health Programme (R63) must ensure that they satisfy the requirements of the respective diplomas before they can be streamed to the respective courses. Students opting to stream into the Diploma in Outdoor Education (R33) are required to pass a stipulated discipline module and/or a general module for the diploma in lieu of fully meeting their minimum entry requirements.*

⑩ *Students admitted to the Common Arts, Media and Design Programme (R65) must ensure that they satisfy the requirements of the respective diplomas before they can be streamed to the respective courses. Those opting to stream into the Diploma in Design (R67) or the Diploma in Sonic Arts (R24) are required to pass a stipulated elective module for the diploma in lieu of fully meeting their minimum entry requirements.*

⑪ *Applicants with severe colour vision deficiency may encounter difficulties in some modules with high reliance on colour usage. Such candidates may be required to attend an interview to determine their suitability for admission to the course. For more clarifications and information, please check directly with Republic Polytechnic*

Ⓐ *Allocation of options/specialisations will depend on students fulfilling the prerequisites of completing selected modules, meeting criteria and also availability of places in the respective courses.*

ENTRY REQUIREMENTS OF COURSES TO SINGAPORE POLYTECHNIC

To be eligible for consideration for admission to the various courses in Singapore Polytechnic, applicants must obtain **26 points or better for the net ELR2B2 aggregate score** (i.e. English Language, 2 relevant subjects and best 2 other subjects, **including CCA Bonus Points**) and meet the minimum entry requirements as shown in the table of courses in this section. CCA cannot be used to meet the minimum entry requirements.

The "**Net ELR2B2 Range for Previous (2024) JAE**" in the table below shows the **net ELR2B2 aggregate of the highest to lowest ranked students who were admitted to these courses in the 2024 Joint Admissions Exercise (JAE)**. These aggregate scores are meant as a reference for applicants applying to these courses, and **do not** constitute the admission scores for subsequent admission exercises. The net ELR2B2 aggregate scores for the courses are not pre-determined by MOE or polytechnics before posting. The eventual course aggregate scores for the 2025 JAE may vary from previous years, depending on students' GCE O-Level examination results and their course choices during the JAE.

Find out about each course at ***www.moe.gov.sg/coursefinder***.

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
APPLIED SCIENCES				
Applied Chemistry **Specialisations:** • Industrial Chemistry • Materials Science • Pharmaceutical Science	S64	ELR2B2-C	4 to 9	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the following subjects: — 1-6 • Biology • Biotechnology • Chemistry • Food & Nutrition / Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
Biomedical Science **Specialisations:** • Biotechnology • Cardiac Technology • Medical Technology	S98	ELR2B2-C	4 to 7	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the following subjects: — 1-6 • Biology • Biotechnology • Chemistry • Food & Nutrition / Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)
Chemical Engineering	S70	ELR2B2-C	7 to 14	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the following subjects: — 1-6 • Biology • Biotechnology • Chemistry • Computing/Computer Studies • Design & Technology • Electronics/Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)
Common Science Programme At the end of Year 1, students will opt for one of the following Diploma courses: • Applied Chemistry • Biomedical Science • Food Science & Technology • Perfumery & Cosmetic Science	S28	ELR2B2-C	5 to 10	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the following subjects: — 1-6 • Biology • Biotechnology • Chemistry • Food & Nutrition / Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)

<table>
<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td>Food Science & Technology</td><td>S47</td><td>ELR2B2-C</td><td>5 to 12</td><td rowspan="2">Subject — Grade
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the following subjects: — 1-6
• Biology
• Biotechnology
• Chemistry
• Food & Nutrition / Nutrition & Food Science
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
<tr><td>Perfumery & Cosmetic Science</td><td>S38</td><td>ELR2B2-C</td><td>8 to 10</td></tr>
<tr><td colspan="5">BUILT ENVIRONMENT</td></tr>
<tr><td>Architecture</td><td>S66</td><td>ELR2B2-D</td><td>4 to 15</td><td rowspan="2">Subject — Grade
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-7
c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-D Aggregate Type — 1-6</td></tr>
<tr><td>Landscape Architecture</td><td>S94</td><td>ELR2B2-D</td><td>10 to 17</td></tr>
<tr><td>Civil Engineering</td><td>S68</td><td>ELR2B2-C</td><td>7 to 23</td><td>Subject — Grade
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the following subjects: — 1-6
• Biology
• Biotechnology
• Chemistry
• Computing / Computer Studies
• Design & Technology
• Electronics / Fundamentals of Electronics
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
</table>

<table>
<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td>Facilities Management</td><td>S95</td><td>ELR2B2-D</td><td>13 to 20</td><td rowspan="2">Subject — Grade
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-D Aggregate Type — 1-6</td></tr>
<tr><td>Integrated Events & Project Management</td><td>S50</td><td>ELR2B2-D</td><td>9 to 15</td></tr>
<tr><td colspan="5">BUSINESS & MANAGEMENT</td></tr>
<tr><td>Accountancy</td><td>S75</td><td>ELR2B2-B</td><td>5 to 12</td><td rowspan="5">Subject — Grade
a) English Language — 1-6
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-B Aggregate Type — 1-6</td></tr>
<tr><td>Banking & Finance</td><td>S76</td><td>ELR2B2-B</td><td>3 to 10</td></tr>
<tr><td>Business Administration

<u>Specialisations:</u>
• Digital Enterprise & Innovation
• Digital Marketing & Analytics
• International Trade & Business</td><td>S71</td><td>ELR2B2-B</td><td>6 to 11</td></tr>
<tr><td>Common Business Programme

At the end of Year 1, students will opt for one of the following Diploma courses:

• Accountancy
• Banking & Finance
• Business Administration
• Human Resource Management with Psychology</td><td>S31</td><td>ELR2B2-B</td><td>5 to 12</td></tr>
<tr><td>Human Resource Management with Psychology</td><td>S48</td><td>ELR2B2-B</td><td>5 to 11</td></tr>
</table>

<table>
<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td colspan="5">ENGINEERING</td></tr>
<tr><td>Aeronautical Engineering ①</td><td>S88</td><td>ELR2B2-C</td><td>4 to 15</td><td rowspan="4"><u>Subject</u> <u>Grade</u>
a) English Language 1-7
b) Additional Mathematics / Mathematics 1-6
c) Any one of the following subjects: 1-6
• Biology
• Biotechnology
• Chemistry
• Computing / Computer Studies
• Design & Technology
• Electronics / Fundamentals of Electronics
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
<tr><td>Aerospace Electronics ①</td><td>S90</td><td>ELR2B2-C</td><td>5 to 12</td></tr>
<tr><td>Common Engineering Programme

At the end of the first semester, students will opt for one of the following Diploma courses:

• Aeronautical Engineering ①
• Aerospace Electronics ①
• Computer Engineering ②
• Electrical & Electronic Engineering ③
• Engineering with Business ②
• Mechanical Engineering ②
• Mechatronics & Robotics ②</td><td>S40</td><td>ELR2B2-C</td><td>7 to 19</td></tr>
<tr><td>Computer Engineering②

<u>Specialisations:</u>
• Cloud Systems
• Computer Applications
• Cyber Security
• Smart City Technologies</td><td>S53</td><td>ELR2B2-C</td><td>4 to 13</td></tr>
</table>

<table>
<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td>Electrical & Electronic Engineering ③

<u>Specialisations:</u>
• Biomedical
• Communication
• Microelectronics
• Power
• Rapid Transit Technology
• Robotics & Control
• Sustainable Energy</td><td>S99</td><td>ELR2B2-C</td><td>4 to 18</td><td rowspan="4"><u>Subject</u> <u>Grade</u>
a) English Language 1-7
b) Additional Mathematics / Mathematics 1-6
c) Any one of the following subjects: 1-6
• Biology
• Biotechnology
• Chemistry
• Computing / Computer Studies
• Design & Technology
• Electronics / Fundamentals of Electronics
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
<tr><td>Engineering with Business ②</td><td>S42</td><td>ELR2B2-C</td><td>5 to 11</td></tr>
<tr><td>Mechanical Engineering ②

<u>Specialisations:</u>
• Automation and Robotics
• Biomedical
• Energy & Facilities Management
• Engineering Design & Simulation
• Precision Engineering
• Rapid Transit Technology</td><td>S91</td><td>ELR2B2-C</td><td>7 to 20</td></tr>
<tr><td>Mechatronics & Robotics ②</td><td>S73</td><td>ELR2B2-C</td><td>4 to 20</td></tr>
<tr><td colspan="5">HEALTH SCIENCES</td></tr>
<tr><td>Optometry ④</td><td>S67</td><td>ELR2B2-C</td><td>8 to 12</td><td><u>Subject</u> <u>Grade</u>
a) English Language 1-7
b) Additional Mathematics / Mathematics 1-6
c) Any one of the following subjects: 1-6
• Biology
• Biotechnology
• Chemistry
• Food & Nutrition / Nutrition & Food Science
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
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<table>
<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td colspan="5">INFORMATION & DIGITAL TECHNOLOGIES</td></tr>
<tr><td>Applied AI & Analytics</td><td>S30</td><td>ELR2B2-C</td><td>4 to 10</td><td rowspan="4"><u>Subject</u> <u>Grade</u>
a) English Language 1-7
b) Additional Mathematics / Mathematics 1-6
c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type 1-6</td></tr>
<tr><td>Common ICT Programme

At the end of the first semester, students will opt for one of the following Diploma courses:

• Applied AI & Analytics
• Cybersecurity & Digital Forensics
• Information Technology</td><td>S32</td><td>ELR2B2-C</td><td>3 to 14</td></tr>
<tr><td>Cybersecurity & Digital Forensics

<u>Specialisations:</u>
• Cyber Offensive and oPerational Technology
• Cyber Defence Security
• Security Incident Management</td><td>S54</td><td>ELR2B2-C</td><td>5 to 12</td></tr>
<tr><td>Information Technology

<u>Specialisations:</u>
• Immersive Simulation Technology
• Software Development
• UI & UX</td><td>S69</td><td>ELR2B2-C</td><td>4 to 16</td></tr>
<tr><td colspan="5">MARITIME STUDIES</td></tr>
<tr><td>Marine Engineering ⑤</td><td>S63</td><td>ELR2B2-C</td><td>3 to 25</td><td><u>Subject</u> <u>Grade</u>
a) English Language 1-7
b) Additional Mathematics / Mathematics 1-6
c) Any one of the following subjects: 1-6

• Biology
• Biotechnology
• Chemistry
• Computing / Computer Studies
• Design & Technology
• Electronics / Fundamentals of Electronics
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
</table>

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
Maritime Business	S74	ELR2B2-C	9 to 17	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type — 1-6
MEDIA & DESIGN				
Interior Design	S89	ELR2B2-D	11 to 14	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-7 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-D Aggregate Type — 1-6
Media, Arts & Design **Specialisations:** • Animation & Games • Creative Community Engagement with Psychology • Digital Media & Communications • Experience & Product Design • Story & Content Creation • Sound & Music • Visual Communication & Motion Design	S29	ELR2B2-A	4 to 13	Subject — Grade a) English Language — 1-6 b) Additional Mathematics / Mathematics — 1-7 c) Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6

Note: (Singapore Polytechnic)

① *Applicants should not be suffering from severe vision deficiency (including colour vision), acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.*

② *Applicants should not be suffering from severe vision deficiency, acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.*

③ *Applicants who have colour vision deficiency, and wish to pursue a career in electrical power engineering or as a Licensed Electrical Worker (LEW), may encounter difficulties meeting the course requirements and expectations. This condition is required by the Energy Market Authority (EMA) of Singapore. In addition, applicants should not be suffering from severe vision deficiency, acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.*

④ *Applicants with severe physical impairment may encounter difficulties meeting the course requirements and expectations. Please refer to the Optometrists & Opticians Board (OOB) Professional Practice Code and Guidelines on "Fitness to Practice" for guidance. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.*

⑤ *All candidates must pass the colour vision test as per The International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW).*

DIRECT ADMISSIONS EXERCISE (DAE)

Application for admission to the Diploma in Nautical Studies is conducted as a separate admissions exercise by Singapore Polytechnic. The minimum entry requirements are shown below. Interested applicants should apply directly to Singapore Polytechnic at ***courseapplication.sp.edu.sg.***

	Subject	Grade
a)	English Language	1-7
b)	Additional Mathematics / Mathematics	1-6
c)	Any one of the following subjects:	1-6

- Biology
- Biotechnology
- Chemistry
- Computing / Computer Studies
- Design & Technology
- Electronics / Fundamentals of Electronics
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

Note:

- Applicants must ensure that they have good eyesight (i.e. visual acuity unaided of 6/60 in both eyes and with visual aids of 6/6 in the better eye and at least 6/9 in the other eye).
- Applicants must also pass the colour vision test as per The International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW). Any offer of admission will be conditional upon applicants showing proof of having passed the Maritime and Port Authority of Singapore (MPA) Sight Test which is conducted at the Singapore Polytechnic Optometry Centre or by General Practitioners.
- Applicants who successfully complete the colour vision test as specified in the STCW Convention indicated above, but do not meet the visual acuity requirements, may apply for conditional admission. To do so, they must sign a **Letter of Undertaking**, agreeing to abide by the conditions outlined in that document.
- Shortlisted candidates will be required to attend an interview conducted by the Singapore Maritime Academy. International students are required to find a **Singapore shipping company** of their choice that is prepared to offer them an internship for phase 2 of this course.

ENTRY REQUIREMENTS OF COURSES TO TEMASEK POLYTECHNIC

To be eligible for consideration for admission to the various courses in Temasek Polytechnic, applicants must obtain **26 points or better for the net ELR2B2 aggregate score** (i.e. English Language, 2 relevant subjects and best 2 other subjects, **including CCA Bonus Points**) and meet the minimum entry requirements as shown in the table of courses in this section. CCA cannot be used to meet the minimum entry requirements.

The "**Net ELR2B2 Range for Previous (2024) JAE**" in the table below shows the **net ELR2B2 aggregate of the highest to lowest ranked students who were admitted to these courses in the 2024 Joint Admissions Exercise (JAE)**. These aggregate scores are meant as a reference for applicants applying to these courses, and **do not** constitute the admission scores for subsequent admission exercises. The net ELR2B2 aggregate scores for the courses are not pre-determined by MOE or polytechnics before posting. The eventual course aggregate scores for the 2025 JAE may vary from previous years, depending on students' GCE O-Level examination results and their course choices during the JAE.

Find out about each course at ***www.moe.gov.sg/coursefinder***.

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
APPLIED SCIENCES				
Chemical Engineering ①④ **Specialisations:** Ⓐ • Applied Chemistry • Sustainable Energy and Chemical Production • Pharmaceutical and Biologics Manufacturing • Semiconductor Technology • Technical Sales & Marketing	T33	ELR2B2-C	6 to 14	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the following subjects: — 1-6 • Biology • Biotechnology • Chemistry • Food & Nutrition / Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)
Common Science Programme ⑥ The first year curriculum is common to all students. Students will opt for and be streamed to one of the following diplomas at the end of the second Semester. • Dip in Chemical Engineering ①④ • Dip in Food, Nutrition & Culinary Science ①④ • Dip in Medical Biotechnology ①④ • Dip in Pharmaceutical Science ①④ • Dip in Veterinary Technology ①④	T70	ELR2B2-C	7 to 11	

<table>
<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td>Food, Nutrition & Culinary Science ①④

<u>Specialisations:</u> Ⓐ
• Applied Nutrition
• Food Technology
• Future Food Technology
• Technical Sales & Marketing</td><td>T26</td><td>ELR2B2-C</td><td>5 to 11</td><td rowspan="5">Subject — Grade
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the following subjects: — 1-6
• Biology
• Biotechnology
• Chemistry
• Food & Nutrition / Nutrition & Food Science
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
<tr><td>Medical Biotechnology ①④

<u>Specialisations:</u> Ⓐ
• Cardiology Technology
• Clinical Laboratory Practice
• Translational Biological Research
• Pharmaceuticals and Biologics Manufacturing
• Technical Sales & Marketing</td><td>T64</td><td>ELR2B2-C</td><td>3 to 9</td></tr>
<tr><td>Pharmaceutical Science ①④

<u>Specialisations:</u> Ⓐ
• Pharmaceuticals and Biologics Manufacturing
• Pharmacy Practice
• Technical Sales & Marketing</td><td>T25</td><td>ELR2B2-C</td><td>6 to 10</td></tr>
<tr><td>Veterinary Technology ① ④

<u>Specialisations:</u> Ⓐ
• Aquaculture
• Veterinary
• Technical Sales & Marketing</td><td>T45</td><td>ELR2B2-C</td><td>3 to 9</td></tr>
<tr><td>Biomedical Engineering ① ③ ④⑦

<u>Specialisations</u>:
• Clinical Practices
• Healthcare Analytics
• Audiometry and Hearing Devices
• Medical Devices and Imaging
• Medical Device Regulations</td><td>T38</td><td>ELR2B2-C</td><td>4 to 13</td><td>Subject — Grade
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the following subjects: — 1-6
• Biology
• Biotechnology
• Chemistry
• Computing / Computer Studies
• Design & Technology
• Electronics / Fundamentals of Electronics
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
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<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td colspan="5">BUILT ENVIRONMENT</td></tr>
<tr><td>Architectural Technology & Building Services ③ ④

<u>Specialisations:</u>
• Digital Architecture
• Environmental Sustainable Design
• Building Information Modelling & Management
• Green Energy Management</td><td>T29</td><td>ELR2B2-C</td><td>12 to 18</td><td rowspan="2">Subject — Grade
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the following subjects: — 1-6
• Biology
• Biotechnology
• Chemistry
• Computing / Computer Studies
• Design & Technology
• Electronics / Fundamentals of Electronics
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
<tr><td>Integrated Facility Management ④

<u>Specialisations</u>:
• Project Management
• Smart Facilities Management Technologies
• Sustainable Facilities Management
• Workplace Safety and Health Management</td><td>T28</td><td>ELR2B2-C</td><td>9 to 18</td></tr>
<tr><td colspan="5">BUSINESS & MANAGEMENT</td></tr>
<tr><td>Accountancy & Finance

<u>Specialisations:</u> Ⓐ
• Accounting
• Investment & Banking</td><td>T02</td><td>ELR2B2-B</td><td>4 to 11</td><td rowspan="2">Subject — Grade
a) English Language — 1-6
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-B Aggregate Type — 1-6</td></tr>
<tr><td>Business

<u>Specialisations:</u> Ⓐ
• Banking & Finance
• Human Resource
• Business Operations & Digitalisation</td><td>T10</td><td>ELR2B2-B</td><td>4 to 12</td></tr>
</table>

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
Common Business Programme⑥ Students will opt for and stream to one of the following 7 Diplomas: At the end of Semester 1.1 • Dip in Culinary & Catering Management ③ ④ At the end of Semester 1.2 • Dip in Accountancy & Finance • Dip in Business • Dip in Hospitality & Tourism Management • Dip in International Trade & Logistics ③ ④ • Dip in Law & Management • Dip in Marketing (Note: Students opting to join the Dip in Law & Management must obtain grade 1 to 4 for O-level English Language.)	T01	ELR2B2-B	4 to 13	Subject — Grade a) English Language — 1-6 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-B Aggregate Type — 1-6
Culinary & Catering Management ③ ④ **Specialisations:** Ⓐ • Culinary Option • Baking & Pastry Option	T18	ELR2B2-B	9 to 16	
Hospitality & Tourism Management	T08	ELR2B2-B	5 to 15	
International Trade & Logistics ③ ④ **Specialisations**: Ⓐ • E-commerce Logistics • Manufacturing Logistics	T07	ELR2B2-B	7 to 15	
Marketing	T67	ELR2B2-B	9 to 14	

<table>
<tr><th>Courses</th><th>Course Code</th><th>Aggregate Type</th><th>Net ELR2B2 Range for Previous (2024) JAE</th><th>Minimum Entry Requirements</th></tr>
<tr><td>Aviation Management ③ ④

<u>Specialisations:</u>
• Airport Management
• Airline Business
• Air Traffic Management
• Flight Training & Operations</td><td>T04</td><td>ELR2B2-C</td><td>6 to 13</td><td rowspan="2"><u>Subject</u> — <u>Grade</u>
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the following subjects: — 1-6
• Biology
• Biotechnology
• Chemistry
• Computing / Computer Studies
• Design & Technology
• Electronics / Fundamentals of Electronics
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
<tr><td>Business Process & Systems Engineering ① ④

<u>Specialisations:</u>
• Business Processes & Analytics
• Systems Engineering & Simulation</td><td>T43</td><td>ELR2B2-C</td><td>8 to 16</td></tr>
<tr><td>Communications & Media Management ③ ④

<u>Specialisations:</u>
• Journalism
• Integrated Media</td><td>T40</td><td>ELR2B2-A</td><td>5 to 12</td><td rowspan="2"><u>Subject</u> — <u>Grade</u>
a) English Language — 1-4
b) Additional Mathematics / Mathematics — 1-7
c) Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6</td></tr>
<tr><td>Law & Management</td><td>T09</td><td>ELR2B2-A</td><td>4 to 11</td></tr>
<tr><td colspan="5">ENGINEERING</td></tr>
<tr><td>Aerospace Electronics ② ③ ④ ⑦

<u>Specialisations:</u>
• CAAS approved SAR-147 Licensed Aircraft Engineer Training
• Flight Training
• Avionic Systems</td><td>T50</td><td>ELR2B2-C</td><td>9 to 16</td><td rowspan="2"><u>Subject</u> — <u>Grade</u>
a) English Language — 1-7
b) Additional Mathematics / Mathematics — 1-6
c) Any one of the following subjects: — 1-6
• Biology
• Biotechnology
• Chemistry
• Computing / Computer Studies
• Design & Technology
• Electronics / Fundamentals of Electronics
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)</td></tr>
<tr><td>Aerospace Engineering ② ③ ④ ⑦

<u>Specialisations:</u>
• CAAS approved SAR-147 Licensed Aircraft Engineer Training
• Flight Training
• Airframe, Engines and Composites</td><td>T51</td><td>ELR2B2-C</td><td>6 to 14</td></tr>
</table>

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
Common Engineering Programme ⑥ Students will opt for and stream to one of the following 7 Diplomas: <u>At the end of Semester 1.1</u> • Dip in Aerospace Electronics ②③ ④⑦ • Dip in Aerospace Engineering ②③ ④⑦ • Dip in Business Process & Systems Engineering①④ <u>At the end of Semester 1.2</u> • Dip in Biomedical Engineering ①③ ④⑦ • Dip in Computer Engineering ①③ ④⑦ • Dip in Electronics ①③ ④⑦ • Dip in Mechatronics ①③ ④⑦	T56	ELR2B2-C	4 to 20	<u>Subject</u> <u>Grade</u> a) English Language 1-7 b) Additional Mathematics / Mathematics 1-6 c) Any one of the following subjects: 1-6 • Biology • Biotechnology • Chemistry • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)
Computer Engineering ① ③ ④⑦ **<u>Specialisations</u>**: • Internet of Things (IoT) • Artificial Intelligence • Virtual Reality • Intelligent Automation • Full Stack Development	T13	ELR2B2-C	5 to 13	
Electronics ① ③ ④⑦ **<u>Specialisations</u>**: • Aerospace Electronics • Semiconductor Technologies • Robotics • Industrial Artificial Intelligence • Sustainability in Engineering • Intralogistics and Cybersecurity	T65	ELR2B2-C	6 to 15	
Mechatronics ① ③ ④⑦ **<u>Specialisations</u>**: • Aerospace Systems • 3D Printing • Robotics and Automation • Machine Vision & Pattern Recognition • Advanced Manufacturing • Sustainability in Engineering	T66	ELR2B2-C	6 to 13	

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
HUMANITIES				
Social Sciences in Gerontology	T53	ELR2B2-A	8 to 12	Subject — Grade a) English Language — 1-6 b) Additional Mathematics / Mathematics — 1-7 c) Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6
Psychology Studies	T48	ELR2B2-A	3 to 9	
HUMANITIES (Conducted by the National Institute of Early Childhood Development in collaboration with Temasek Polytechnic)				
Early Childhood Development & Education ⑤ Track • Mother Tongue Language Teaching-Malay • Visual Arts	T68	ELR2B2-A	11 to 18	Subject — Grade a) English Language — 1-6 b) Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-A Aggregate Type — 1-6 *To be eligible for selection, students must also have sat for Additional Mathematics / Mathematics.*
INFORMATION & DIGITAL TECHNOLOGIES				
Applied Artificial Intelligence ④	T69	ELR2B2-C	6 to 12	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type — 1-6
Big Data & Analytics ④ **Specialisations:** Ⓐ • Advanced Analytics • Advanced Manufacturing Technology	T60	ELR2B2-C	5 to 12	

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
Common ICT Programme ⑥ The first year is common to all students and they will opt for one of the following diplomas at the end of Semester 1.2 • Dip in Applied Artificial Intelligence ④ • Dip in Big Data & Analytics ④ • Dip in Cybersecurity & Digital Forensics ④ • Dip in Immersive Media & Game Development ④ • Dip in Information Technology ④	T63	ELR2B2-C	7 to 16	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-6 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type — 1-6
Cybersecurity & Digital Forensics ④ **Specialisations:** Ⓐ • Digital Forensics • Enterprise Security • Advanced Manufacturing Technology	T62	ELR2B2-C	6 to 11	
Immersive Media & Game Development ④	T58	ELR2B2-C	10 to 13	
Information Technology ④ **Specialisations:** Ⓐ • Business Analytics • Advanced Manufacturing Technology • Fintech • Industry Practice	T30	ELR2B2-C	7 to 15	

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2024) JAE	Minimum Entry Requirements
MEDIA & DESIGN				
Fashion Management and Design② ④ ***(Previously known as Apparel Design & Merchandising)***	T20	ELR2B2-D	6 to 14	Subject — Grade a) English Language — 1-7 b) Additional Mathematics / Mathematics — 1-7 c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-D Aggregate Type — 1-6
Common Design Programme⑥ The first semester is common to all students. Students will opt for and be streamed to one of the following diplomas at the end of Semester 1.1 • Dip in Communication Design② ④ • Dip in Digital Film and Television② ④ • Dip in Fashion Management and Design② ④ • Dip in Interior Architecture & Design② ④ • Dip in Product Experience & Design ② ③ ④	T71	ELR2B2-D	6 to 14	
Communication Design ② ④	T59	ELR2B2-D	4 to 11	
Digital Film & Television ② ④	T23	ELR2B2-D	6 to 13	
Interior Architecture & Design ② ④	T22	ELR2B2-D	7 to 13	
Product Experience & Design ② ③ ④	T35	ELR2B2-D	10 to 15	

Note: (Temasek Polytechnic)

All successful applicants are required to go through medical examination. An applicant with a medical condition may be assessed further to verify the severity of the condition and to determine suitability for the course posted to so as to be in line with industry requirements, training requirements and/or safety reasons.

① *Applicants with severe colour vision deficiency may have difficulties meeting the course requirements and expectations. Interested applicants with severe colour vision deficiency are highly encouraged to contact Temasek Polytechnic for more information.*

② *Applicants with mild or severe colour vision deficiency may have difficulties meeting the course requirements and expectations. Interested applicants with mild or severe colour vision deficiency are highly encouraged to contact Temasek Polytechnic for more information*.

③ *Applicants with uncontrolled epilepsy or profound hearing loss may have difficulties meeting the course requirements and expectations. Interested applicants with these conditions are highly encouraged to contact Temasek Polytechnic for more information.*

④ *Applicants with severe visual impairment may have difficulties meeting the course requirements and expectations. Interested applicants with severe visual impairment are highly encouraged to contact Temasek Polytechnic for more information.*

⑤ *Applicants applying for the Diploma in Early Childhood Development & Education [T68] have to pass a pre-admission medical examination to enter the course. In addition, to ensure the well-being and safety of children, the Early Childhood Development Agency (ECDA) requires all pre-school staff to be certified medically fit to work with young children. More details on the medical examination can be found at bit.ly/NIECmedical.*

Applicants admitted to the Diploma in Early Childhood Development & Education [T68] and are keen to register to be certified by the Early Childhood Development Agency (ECDA) as an L2 English Language Preschool Teacher (deployable to teach up to kindergarten level) after graduation must obtain a ***minimum of B4 in their GCE O-Level English Language (EL1)*** *or an English Language Acceptable Alternatives (ELAA). Applicants who do not meet the English Language requirement would be given up to 2 years from their registration as pre-school teachers to do so. This diploma is awarded by the National Institute of Early Childhood Development in collaboration with Temasek Polytechnic.*

⑥ *Students opting for any courses in the common programme must ensure that they satisfy the requirements as stated in the footnotes under the respective courses.*

⑦ *Applicants with physical impairment or are physically dependent on mobility equipment may have difficulties meeting the course requirements and expectations. Applicants with impaired or limited motor functions may be assessed on a case-by-case basis to determine their suitability for the course. Interested applicants with physical impairment are highly encouraged to contact Temasek Polytechnic for more information.*

Ⓐ *Allocation of options/ electives/ specialisations will depend on students fulfilling the prerequisite of completing selected modules, meeting criteria, and also availability of places in the respective courses.*

ENTRY REQUIREMENTS OF COURSES TO INSTITUTE OF TECHNICAL EDUCATION

To be eligible for consideration for admission to the 2-year *Higher Nitec* courses under JAE, applicants must have the minimum results as shown in the table of courses for this section and have sat for at least 5 GCE O-Level subjects over a maximum of 2 years. CCA cannot be used to meet the minimum entry requirements.

The "**Net Aggregate Range for Previous (2024) JAE**" in the table below shows the **net aggregate scores of the highest to lowest ranked students who were admitted to these courses in the 2024 Joint Admissions Exercise (JAE).** These aggregate scores are meant as a reference for applicants applying to these courses, and **do not** constitute the admission scores for subsequent admission exercises. The net aggregate scores for the courses are not pre-determined by MOE or ITE before posting. The eventual course aggregate scores for the 2025 JAE may vary from previous years, depending on students' GCE O-Level examination results and their course choices during the JAE.

Find out about each course at ***www.moe.gov.sg/coursefinder***.

Courses	ITE College	Course Code	Aggregate Type	Net Aggregate Range for Previous (2024) JAE	Minimum Entry Requirements	
					Subject	Grade
BUSINESS & SERVICES						
Accounting	ITE College Central	V39	ELR1B3-B	15 to 27	a) English Language b) Additional Mathematics / Mathematics ***or*** Principles of Accounts * c) One other subject **Note:** * *To be eligible for admission, you must also have sat for Additional Mathematics / Mathematics.*	1-7 1-8 1-7
	ITE College East	V27	ELR1B3-B	20 to 38		
	ITE College West	V90	ELR1B3-B	16 to 29		
Business Administration **Specialisations:** • Financial Services: ITE College Central, and ITE College East • Human Resource: ITE College Central, ITE College East, and ITE College West	ITE College Central	V91	ELR1B3-B	14 to 30		
	ITE College East	V52	ELR1B3-B	20 to 34		
	ITE College West	V92	ELR1B3-B	19 to 23		
Customer Experience ***(Previously known as Service Management)***	ITE College West	V62	ELR1B3-B	24 to 36		
Event Management	ITE College Central	V40	ELR1B3-B	21 to 38		
Logistics & Supply Chain Management	ITE College East	V81	ELR1B3-B	15 to 35		

Courses	ITE College	Course Code	Aggregate Type	Net Aggregate Range for Previous (2024) JAE	Minimum Entry Requirements	
					Subject	Grade
BUSINESS & SERVICES						
Retail & Online Business **Specialisations:** • E-Commerce & Digital Marketing: ITE College Central, ITE College East, and ITE College West • Wholesale Business: ITE College Central	ITE College Central	V66	ELR1B3-B	21 to 36	a) English Language b) Additional Mathematics / Mathematics ***or*** Principles of Accounts * c) One other subject **Note:** * *To be eligible for admission, you must also have sat for Additional Mathematics / Mathematics.*	1-7 1-8 1-7
	ITE College East	V69	ELR1B3-B	21 to 34		
	ITE College West	V76	ELR1B3-B	18 to 33		
Sport Management ⑤	ITE College Central	V12	ELR1B3-B	19 to 28		
	ITE College East	V19	ELR1B3-B	10 to 35		
	ITE College West	V85	ELR1B3-B	18 to 30		
Beauty & Wellness Management ⑤	ITE College East	V54	ELB4-A	21 to 33	a) English Language b) Any two other subjects **Note:** *To be eligible for admission, you must also have sat for Additional Mathematics / Mathematics.*	1-7 1-7
Hairdressing & Salon Management	ITE College East	V53	ELB4-A	23 to 35		
Passenger Services	ITE College Central	V82	ELB4-A	20 to 35		
	ITE College East	V80	ELB4-A	21 to 35		
Tourism **Specialisations:** • Attraction Operations • Travel Operations	ITE College West	V65	ELB4-A	20 to 36		
BUSINESS & SERVICES (Conducted by the National Institute of Early Childhood Development in collaboration with ITE)						
Early Childhood Education ⑥	ITE College Central	V42	ELB4-A	19 to 36	a) English Language b) Any two other subjects **Note:** *To be eligible for admission, you must also have sat for Additional Mathematics / Mathematics.*	1-6 1-7

<table>
<tr><th rowspan="2">Courses</th><th rowspan="2">ITE College</th><th rowspan="2">Course Code</th><th rowspan="2">Aggregate Type</th><th rowspan="2">Net Aggregate Range for Previous (2024) JAE</th><th colspan="2">Minimum Entry Requirements</th></tr>
<tr><th>Subject</th><th>Grade</th></tr>
<tr><td colspan="7">DESIGN & MEDIA</td></tr>
<tr><td>Film & Video Production ①

[Previously known as Filmmaking (Cinematography)]</td><td>ITE College Central</td><td>V93</td><td>ELR1B3-B</td><td>12 to 27</td><td colspan="2" rowspan="2">a) English Language 1-7
b) Additional Mathematics / Mathematics <u>or</u> Principles of Accounts * 1-8
c) One other subject 1-7

<u>Note</u>:
* To be eligible for admission, you must also have sat for Additional Mathematics / Mathematics.</td></tr>
<tr><td>Technical Theatre & Production ①⑦

(Previously known as Performance Production)</td><td>ITE College Central</td><td>V97</td><td>ELR1B3-B</td><td>7 to 38</td></tr>
<tr><td>Communication Design ①

<u>Specialisations:</u>
• Graphic Design
• Animation & Motion Graphics

This is a new course which has been formed from the merger of the following courses that will no longer be offered for the 2025 intake:
<table><tr><th>Course Title</th><th>Net Aggregate Range for Previous (2024) JAE</th></tr><tr><td>Interactive Design V94</td><td>19 to 39</td></tr><tr><td>Motion Graphics V14</td><td>16 to 25</td></tr><tr><td>Visual Effects V15</td><td>16 to 29</td></tr></table></td><td>ITE College Central</td><td>V95</td><td>ELB4-A</td><td>-</td><td colspan="2" rowspan="3">a) English Language 1-7
b) Any two other subjects 1-8

<u>Note</u>:
To be eligible for admission, you must also have sat for Additional Mathematics / Mathematics.</td></tr>
<tr><td>Interior & Product Design ①

(New course in JAE)</td><td>ITE College Central</td><td>V99</td><td>ELB4-A</td><td>-</td></tr>
<tr><td>Visual Merchandising ①</td><td>ITE College Central</td><td>V55</td><td>ELB4-A</td><td>16 to 35</td></tr>
</table>

Courses	ITE College	Course Code	Aggregate Type	Net Aggregate Range for Previous (2024) JAE	Minimum Entry Requirements	
					Subject	Grade
ELECTRONICS & INFO-COMM TECHNOLOGY						
AI Applications	ITE College Central	V16	ELR2B2-C	10 to 30	a) English Language b) Additional Mathematics / Mathematics c) One of the following subjects: • Biology • Biotechnology • Chemistry • Combined Science • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Human & Social Biology • Integrated Science • Physics • Engineering Science • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) • Physical Science • Science (Physics, Biology, Chemistry)	1-8 1-7 1-8
	ITE College West	V25	ELR2B2-C	18 to 34		
Business Information Systems	ITE College East	V49	ELR2B2-C	15 to 34		
Cyber & Network Security	ITE College Central	V22	ELR2B2-C	16 to 28		
	ITE College East	V47	ELR2B2-C	22 to 32		
	ITE College West	V74	ELR2B2-C	16 to 33		
Data Engineering	ITE College West	V20	ELR2B2-C	14 to 29		
Electronics Engineering ①	ITE College Central	V11	ELR2B2-C	15 to 38		
Specialisations: • AI & Automation: ITE College East, and ITE College West • Audio Visual Systems: ITE College Central • IoT & Communications: ITE College Central, ITE College East, and ITE College West • Microelectronics: ITE College Central	ITE College East	V29	ELR2B2-C	29 to 32		
	ITE College West	V68	ELR2B2-C	21 to 31		
Immersive Applications & Game	ITE College Central	V17	ELR2B2-C	14 to 34		
IT Applications Development	ITE College Central	V61	ELR2B2-C	15 to 32		
	ITE College East	V87	ELR2B2-C	17 to 27		
	ITE College West	V63	ELR2B2-C	14 to 29		
IT Systems & Networks	ITE College Central	V26	ELR2B2-C	24 to 32		
	ITE College East	V30	ELR2B2-C	22 to 27		
	ITE College West	V70	ELR2B2-C	20 to 28		
Operational & Information Technology ***(New course in JAE)***	ITE College West	V83	ELR2B2-C	-		
Security System Integration ①	ITE College East	V79	ELR2B2-C	29 to 29		
	ITE College West	V77	ELR2B2-C	-		

Courses	ITE College	Course Code	Aggregate Type	Net Aggregate Range for Previous (2024) JAE	Minimum Entry Requirements	
					Subject	Grade
ENGINEERING						
Applied Food Science ①	ITE College East	V31	ELR2B2-C	4 to 32	a) English Language b) Additional Mathematics / Mathematics c) One of the following subjects: • Biology • Biotechnology • Chemistry • Combined Science • Human & Social Biology • Integrated Science • Physics • Engineering Science • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) • Physical Science • Science (Physics, Biology, Chemistry)	1-8 1-7 1-8
Bio-Chemical Technology	ITE College East	V18	ELR2B2-C	15 to 33		
Chemical Process Technology ①	ITE College East	V32	ELR2B2-C	15 to 31		
Architectural Technology ①	ITE College East	V10	ELR2B2-C	14 to 29	a) English Language b) Additional Mathematics / Mathematics c) One of the following subjects: • Biology • Biotechnology • Chemistry • Combined Science • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Human & Social Biology • Integrated Science • Physics • Engineering Science • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) • Physical Science • Science (Physics, Biology, Chemistry)	1-8 1-7 1-8
Civil & Structural Engineering Design	ITE College East	V23	ELR2B2-C	-		
Electrical Engineering ① **Specialisation:** • Power & Control: ITE College East, and ITE College West	ITE College East	V28	ELR2B2-C	23 to 37		
	ITE College West	V67	ELR2B2-C	16 to 33		
Engineering with Business	ITE College Central	V84	ELR2B2-C	13 to 37		
Facilities Management & Engineering ① ***(Previously known as Facility Management)***	ITE College East	V88	ELR2B2-C	28 to 34		
	ITE College West	V89	ELR2B2-C	16 to 36		
Integrated Mechanical & Electrical Design	ITE College East	V24	ELR2B2-C	-		
Landscape Management & Design ①	ITE College East	V60	ELR2B2-C	16 to 32		
Marine Engineering	ITE College Central	V71	ELR2B2-C	18 to 32		
Marine & Offshore Technology	ITE College Central	V72	ELR2B2-C	21 to 31		
Mechanical Engineering	ITE College Central	V21	ELR2B2-C	17 to 30		
	ITE College East	V35	ELR2B2-C	22 to 33		
	ITE College West	V78	ELR2B2-C	23 to 30		
Mechatronics Engineering ①	ITE College Central	V13	ELR2B2-C	16 to 33		
	ITE College West	V73	ELR2B2-C	20 to 30		

Courses	ITE College	Course Code	Aggregate Type	Net Aggregate Range for Previous (2024) JAE	Minimum Entry Requirements	
					Subject	Grade
ENGINEERING						
Offshore & Marine Engineering Design	ITE College Central	V75	ELR2B2-C	26 to 33	a) English Language b) Additional Mathematics / Mathematics c) One of the following subjects: • Biology • Biotechnology • Chemistry • Combined Science • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Human & Social Biology • Integrated Science • Physics • Engineering Science • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) • Physical Science • Science (Physics, Biology, Chemistry)	1-8 1-7 1-8
Rapid Transit Engineering ①	ITE College West	V96	ELR2B2-C	22 to 28		
Robotics & Smart Systems ①	ITE College Central	V98	ELR2B2-C	24 to 34		
Vertical Transportation ① ***(New course in JAE)***	ITE College East	V86	ELR2B2-C	-		
HEALTH SCIENCES						
Community Care & Social Services ②	ITE College East	V33	ELR2B2-C	17 to 33	a) English Language b) Additional Mathematics / Mathematics c) One of the following subjects: • Biology • Biotechnology • Chemistry • Combined Science • Human & Social Biology • Integrated Science • Physics • Engineering Science • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) • Physical Science • Science (Physics, Biology, Chemistry)	1-8 1-7 1-8
Nursing ③	ITE College East	V34	ELR2B2-C	11 to 22		
Opticianry ④	ITE College East	V36	ELR2B2-C	13 to 31		
HOSPITALITY						
Culinary Arts ⑤ ***(New course in JAE)***	ITE College West	V37	ELB4-A	-	a) English Language b) Any two other subjects **Note:** *To be eligible for admission, you must also have sat for Additional Mathematics / Mathematics.*	1-7 1-7
Hospitality Operations ⑤	ITE College West	V64	ELB4-A	20 to 34		
Pastry & Baking ⑤ ***(New course in JAE)***	ITE College West	V38	ELB4-A	-		

Note: (ITE)

Please refer to ITE's website www.ite.edu.sg for more details on the course and college information.

① *In line with industry requirements, applicants applying for these courses should ensure that they do not have colour appreciation deficiency. Interested applicants with this condition are highly encouraged to contact ITE for more information.*

② *All prospective healthcare students must be fully vaccinated against COVID-19 with a vaccine regime recognised in Singapore. Those who are Medically-Ineligible will be subjected to prevailing MOH and healthcare institutions' policies. Those who are Medically-Eligible but wish to remain unvaccinated may not be able to access the healthcare and community care settings to complete their Industry Attachment Module and meet the compulsory internship requirements necessary for graduation or their course completion may be delayed due to restrictions on internship posting to the industry.*

Due to the special requirements of the healthcare profession and in the delivery of direct patient/client care, all applicants applying for 2-year Higher Nitec in Community Care & Social Services [V33] have to pass a pre-admission medical examination and be free from physical and mental handicap to ensure suitability. Whilst not comprehensive, the following medical conditions will lead to non-acceptance into the course:

- *Epilepsy*
- *Legal Blindness*
- *Active Tuberculosis*
- *Profound Deafness*
- *Psychiatric Condition*
- *Uncontrolled Diabetes*
- *Uncontrolled Hypertension*
- *Uncontrolled Asthma*
- *Mobility Restricted (Hindering Performance)*
- *Physical Dependence upon Mobility Equipment*

③ *All prospective healthcare students must be fully vaccinated against COVID-19 with a vaccine regime recognised in Singapore. Those who are Medically-Ineligible will be subjected to prevailing MOH and healthcare institutions' policies. Those who are Medically-Eligible but wish to remain unvaccinated may not be able to access the healthcare and community care settings to complete their clinical posting and meet the clinical training requirement necessary for graduation or their course completion may be delayed due to restrictions on clinical training.*

Due to the job-specific requirements of the healthcare profession in the delivery of direct patient care, all applicants applying for 2-year Higher Nitec in Nursing [V34] have to pass a pre-admission medical examination and fulfil 'Fitness to Practice Advisory' for nursing student stipulated by the Singapore Nursing Board:

FITNESS TO PRACTICE ADVISORY FOR NURSING STUDENTS

As the delivery of direct patient care is a requisite of healthcare professions, all applicants must pass a medical examination and be certified to have the following abilities to perform patient care activities in a safe and effective manner:

1) ***Mental-Cognitive ability*** *(interpersonal-communication ability and behavioural stability) to:*
   (a) *provide safe care to populations, including safety to self*
   (b) *demonstrate emotional-behavioural stability to function under the stress and pressure when performing nursing care on patients*
   (c) *being observed by instructors and other health care personnel during clinical practice attachments.*

2) ***Physical ability*** *to:*
   (a) *move around in the clinical environment, walk/stand, bend, reach, lift climb, push and pull, carry objects*
   (b) *perform patient transfers and complex sequences of hand-eye coordination.*

3) ***Auditory ability*** *to:*
   (a) *hear faint body sounds*
   (b) *auditory alarms*
   (c) *normal speaking level sounds (i.e. blood pressure sounds, monitors, call bells and person-to-person report).*

4) ***Visual ability*** *to:*
   (a) *detect changes in physical appearance, colour and contour*
   (b) *read medication/ drug labels, syringes, manometers, written and electronic communication accurately.*

The above required abilities are stipulated in consultation with Singapore Nursing Board to ensure nursing students are fit to practise when they apply for enrolment upon graduation from the nursing programme.

Interested applicants with known condition(s) or unsure if their condition(s) may affect their ability to deliver safe and effective patient care are highly encouraged to contact ITE College East at college_east@ite.edu.sg for more information.

④ *Eyecare practitioners are required to provide care, consultation and management of a patient's vision through eye tests and effective communication. Therefore, good interpersonal skills and good psychomotor ability is required. All applicants must possess the following abilities to perform direct eyecare on clients safely and effectively:*

- ***Mental-Cognitive ability****, including interpersonal-communication, emotional-behavioural stability to function under stressful work environment, and provide safe eyecare to clients.*
- ***Physical ability*** *to move around in a clinical/retail environment, including standing during service delivery.*
- ***Auditory ability*** *to communicate with patients under normal speaking level sounds.*
- ***Visual ability*** *to read small print on ophthalmic trial lenses and digital display on instruments.*

Please refer to the Ministry of Health (MOH) website on "Fitness to Practice" for registered Opticians, stipulated by the Optometrists and Opticians Board. Interested applicants with impairment conditions highlighted by OOB are highly encouraged to contact ITE College East at college_east@ite.edu.sg for more information.

⑤ *Applicants applying for 2-year Higher Nitec in Beauty & Wellness Management [V54], Higher Nitec in Culinary Arts [V37], Higher Nitec in Hospitality Operations [V64], Higher Nitec in Pastry & Baking [V38], or Higher Nitec in Sport Management [V12, V19, V85] have to pass a pre-admission medical examination.*

⑥ *Applicants applying for 2-year Higher Nitec in Early Childhood Education [V42] have to pass a pre-admission medical examination to enter the course. In addition, to ensure the well-being and safety of children, the Early Childhood Development Agency (ECDA) requires all pre-school staff to be certified medically fit to work with young children. More details on the medical examination can be found at bit.ly/NIECmedical.*

The 2-year Higher Nitec in Early Childhood Education is awarded by the National Institute of Early Childhood Development (NIEC) in collaboration with Institute of Technical Education.

⑦ *In line with industry requirements, applicants applying for 2-year Higher Nitec in Technical Theatre & Production [V97] should ensure that they do not have acrophobia. Interested applicants with this condition are highly encouraged to contact ITE for more information.*