

# 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 (2023) 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 2023 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 2024 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](http://www.moe.gov.sg/coursefinder).

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2023) JAE	Minimum Entry Requirements															
APPLIED SCIENCES																			
Applied Chemistry	C45	ELR2B2-C	4 to 10	<table><thead><tr><th></th><th>Subject</th><th>Grade</th></tr></thead><tbody><tr><td>a)</td><td>English Language</td><td>1-7</td></tr><tr><td>b)</td><td>Mathematics (Elementary/Additional)</td><td>1-6</td></tr><tr><td>c)</td><td>Any one of the following subjects:</td><td>1-6</td></tr><tr><td></td><td><ul style="list-style-type: none"><li>Biology</li><li>Biotechnology</li><li>Chemistry</li><li>Food &amp; Nutrition / Nutrition &amp; Food Science</li><li>Physics</li><li>Science (Physics, Biology)</li><li>Science (Chemistry, Biology)</li><li>Science (Physics, Chemistry)</li></ul></td><td></td></tr></tbody></table>		Subject	Grade	a)	English Language	1-7	b)	Mathematics (Elementary/Additional)	1-6	c)	Any one of the following subjects:	1-6		<ul style="list-style-type: none"><li>Biology</li><li>Biotechnology</li><li>Chemistry</li><li>Food &amp; Nutrition / Nutrition &amp; Food Science</li><li>Physics</li><li>Science (Physics, Biology)</li><li>Science (Chemistry, Biology)</li><li>Science (Physics, Chemistry)</li></ul>	
	Subject	Grade																	
a)	English Language	1-7																	
b)	Mathematics (Elementary/Additional)	1-6																	
c)	Any one of the following subjects:	1-6																	
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Biologics & Process Technology	C49	ELR2B2-C	5 to 10																
Chemical & Pharmaceutical Technology	C73	ELR2B2-C	7 to 14																
Common Science Programme	C27	ELR2B2-C	8 to 12																
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: <ul style="list-style-type: none"><li>Applied Chemistry</li><li>Biologics &amp; Process Technology</li><li>Chemical &amp; Pharmaceutical Technology</li><li>Food Science &amp; Nutrition</li><li>Pharmaceutical Science</li></ul>																			
Food Science & Nutrition	C69	ELR2B2-C	5 to 12																
Pharmaceutical Science	C65	ELR2B2-C	6 to 10																

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2023) JAE	Minimum Entry Requirements	
BUILT ENVIRONMENT					
Architecture	C38	ELR2B2-C	7 to 15	<div><div>Subject</div><div>Grade</div></div> <div>a) English Language1-7</div> <div>b) Mathematics (Elementary/Additional)1-6</div> <div>c) Any one of the 2<sup>nd</sup> group of Relevant Subjects for the ELR2B2-C Aggregate Type1-6</div>	
BUSINESS & MANAGEMENT					
Accountancy & Finance	C98	ELR2B2-B	6 to 12	<div><div>Subject</div><div>Grade</div></div> <div>a) English Language1-6</div>	
Banking & Finance	C96	ELR2B2-B	5 to 12	<div><div>b) Mathematics (Elementary/Additional)1-6</div><div>c) Any one of the 2<sup>nd</sup> group of Relevant Subjects for the ELR2B2-B Aggregate Type1-6</div></div>	
Business Management	C94	ELR2B2-B	6 to 15		
<div><div>Specialisations:</div><div><ul style="list-style-type: none"><li>Customer Relationship and Service Management</li><li>Event Management</li><li>Human Resource Management</li><li>International Business</li><li>E-Commerce and Retail Management</li><li>Marketing &amp; Digital Communications</li><li>Supply Chain Management</li></ul></div></div>					
Common Business Programme	C34	ELR2B2-B	5 to 15		
<div>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:</div> <div><ul style="list-style-type: none"><li>Accountancy &amp; Finance</li><li>Banking &amp; Finance</li><li>Business Management</li><li>Food &amp; Beverage Business</li><li>Hospitality &amp; Tourism Management</li></ul></div>					
Food & Beverage Business	C46	ELR2B2-B	5 to 16		
<div><div>Specialisations:</div><div><ul style="list-style-type: none"><li>Food &amp; Beverage Management</li><li>Culinary Arts</li></ul></div></div>					
Hospitality & Tourism Management	C67	ELR2B2-B	7 to 17		
Mass Media Management	C93	ELR2B2-B	6 to 12		
Sport & Wellness Management	C81	ELR2B2-B	11 to 17		

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2023) JAE	Minimum Entry Requirements	
Business & Financial Technology	C35	ELR2B2-C	8 to 15	<div><div>Subject</div><div>Grade</div></div> <div>a) English Language1-7</div> <div>b) Mathematics (Elementary/Additional)1-6</div> <div>c) Any one of the 2<sup>nd</sup> group of Relevant Subjects for the ELR2B2-C Aggregate Type1-6</div>	
ENGINEERING					
Aeronautical & Aerospace Technology ⑤	C51	ELR2B2-C	6 to 16	<div><div>Subject</div><div>Grade</div></div> <div>a) English Language1-7</div> <div>b) Mathematics (Elementary/Additional)1-6</div> <div>c) Any one of the following subjects:1-6</div> <div><div><div>Specialisations:</div><div><div>Aerospace Systems &amp; Testing</div><div>Aerospace Manufacturing</div></div></div></div>	
Aerospace Systems & Management ⑤	C52	ELR2B2-C	11 to 18	<div><div><div>• Biology</div><div>• Biotechnology</div><div>• Chemistry</div><div>• Computing / Computer Studies</div><div>• Design &amp; Technology</div><div>• Electronics / Fundamentals of Electronics</div><div>• Physics</div><div>• Science (Physics, Biology)</div><div>• Science (Chemistry, Biology)</div><div>• Science (Physics, Chemistry)</div></div></div>	
Advanced & Digital Manufacturing	C62	ELR2B2-C	15 to 23		
AI & Data Engineering	C31	ELR2B2-C	3 to 10		
Biomedical Engineering ①	C71	ELR2B2-C	6 to 14		
<div><div>Specialisations:</div><div><div>• Biomedical Device Technology</div><div>• Quality System &amp; Regulatory Compliance</div><div>• Biomedical Design &amp; Manufacturing Technology</div></div></div>					

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2023) JAE	Minimum Entry Requirements	
Common Engineering Programme  The first academic semester is common to all students. Students may choose to take the Electronics-Aerospace-Computer Engineering Track or the Mechanical-Aerospace-Biomedical Engineering Track in the second academic semester. At the end of academic year 1, they will opt for one of the following Diploma courses:  <ul style="list-style-type: none"><li>Advanced &amp; Digital Manufacturing</li><li>Aeronautical &amp; Aerospace Technology ⑤</li><li>Aerospace Systems &amp; Management ⑤</li><li>AI &amp; Data Engineering</li><li>Biomedical Engineering ①</li><li>Electronic &amp; Computer Engineering ①</li><li>Engineering with Business</li><li>Infocomm &amp; Media Engineering ①</li><li>Nanotechnology &amp; Materials Science ①</li><li>Robotics &amp; Mechatronics ①</li></ul>	C42	ELR2B2-C	6 to 24	<div><div>Subject</div><div>Grade</div></div> <div>a) English Language1-7</div> <div>b) Mathematics (Elementary/Additional)1-6</div> <div>c) Any one of the following subjects:1-6</div> <div><ul style="list-style-type: none"><li>Biology</li><li>Biotechnology</li><li>Chemistry</li><li>Computing / Computer Studies</li><li>Design &amp; Technology</li><li>Electronics / Fundamentals of Electronics</li><li>Physics</li><li>Science (Physics, Biology)</li><li>Science (Chemistry, Biology)</li><li>Science (Physics, Chemistry)</li></ul></div>	
Electronic & Computer Engineering ①  <b>Specialisations:</b> <ul style="list-style-type: none"><li>Computer Engineering</li><li>Business Operations</li><li>Microelectronics</li><li>Internet of Things</li></ul>	C89	ELR2B2-C	3 to 15		
Engineering with Business	C41	ELR2B2-C	6 to 14		
Infocomm & Media Engineering ①  <b>Specialisations:</b> <ul style="list-style-type: none"><li>Software &amp; Applications</li><li>Cloud Infrastructure &amp; Services</li><li>UX Design &amp; Engineering</li><li>Media Technology &amp; Systems</li></ul>	C75	ELR2B2-C	14 to 19		
Nanotechnology & Materials Science ①	C50	ELR2B2-C	10 to 15		
Robotics & Mechatronics ①  <b>Specialisations:</b> <ul style="list-style-type: none"><li>Wafer Fabrication Technology</li><li>Automation &amp; Robotics Technology</li></ul>	C87	ELR2B2-C	6 to 19		

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2023) JAE	Minimum Entry Requirements	
HEALTH SCIENCES					
Nursing ②	C97*	ELR2B2-C	6 to 28	<div><div><u>Subject</u></div><div><u>Grade</u></div></div> a) English Language1-7b) Mathematics (Elementary/Additional)1-6c) Any one of the following subjects:1-6 <ul style="list-style-type: none"><li>• Biology</li><li>• Biotechnology</li><li>• Chemistry</li><li>• Food &amp; Nutrition / Nutrition &amp; Food Science</li><li>• Physics</li><li>• Science (Physics, Biology)</li><li>• Science (Chemistry, Biology)</li><li>• Science (Physics, Chemistry)</li></ul>	
Oral Health Therapy ② ③	C72	ELR2B2-C	5 to 10		
HUMANITIES					
Social Work	C47	ELR2B2-A	4 to 13	<div><div><u>Subject</u></div><div><u>Grade</u></div></div> a) English Language1-6b) Mathematics (Elementary/Additional)1-7c) Any one of the 1 <sup>st</sup> group of Relevant Subjects for the ELR2B2-A Aggregate Type1-6	
INFORMATION & DIGITAL TECHNOLOGIES					
Applied AI & Analytics	C43	ELR2B2-C	4 to 9	<div><div><u>Subject</u></div><div><u>Grade</u></div></div> a) English Language1-7b) Mathematics (Elementary/Additional)1-6c) Any one of the 2 <sup>nd</sup> group of Relevant Subjects for the ELR2B2-C Aggregate Type1-6	
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: <ul style="list-style-type: none"><li>• Business &amp; Financial Technology</li><li>• Cybersecurity &amp; Digital Forensics</li><li>• Infocomm &amp; Security</li><li>• Information Technology</li></ul>	C36	ELR2B2-C	4 to 14		
Cybersecurity & Digital Forensics  <b>Specialisations:</b> <ul style="list-style-type: none"><li>• Cyber Security</li><li>• Cyber Forensics</li></ul>	C54	ELR2B2-C	5 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 (2023) JAE	Minimum Entry Requirements	
Infocomm & Security  <b>Specialisations:</b> <ul style="list-style-type: none"><li>• Systems &amp; Network Security</li><li>• Enterprise Infrastructure</li><li>• Infocomm Solutions</li></ul>	C80	ELR2B2-C	11 to 15	<div><div>Subject</div><div>Grade</div></div> a) English Language1-7 b) Mathematics (Elementary/Additional)1-6 c) Any one of the 2 <sup>nd</sup> group of Relevant Subjects for the ELR2B2-C Aggregate Type1-6	
Game Development & Technology	C70	ELR2B2-C	4 to 11		
Information Technology  <b>Specialisations:</b> <ul style="list-style-type: none"><li>• Artificial Intelligence</li><li>• Cyber Security</li><li>• Enterprise Cloud Computing</li><li>• Geospatial &amp; Mobile Innovation</li></ul>	C85	ELR2B2-C	8 to 13		
MEDIA & DESIGN					
Animation, Games & Visual Effects ④  <b>Specialisations:</b> <ul style="list-style-type: none"><li>• Animation</li><li>• Games</li><li>• Visual Effects</li></ul>	C29	ELR2B2-D	4 to 10	<div><div>Subject</div><div>Grade</div></div> a) English Language1-7 b) Mathematics (Elementary/Additional)1-7 c) Any one of the 2 <sup>nd</sup> group of Relevant Subjects for the ELR2B2-D Aggregate Type1-6	
Common Design & Media Programme ④  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: <ul style="list-style-type: none"><li>• Animation, Games &amp; Visual Effects</li><li>• Communication &amp; Motion Design</li><li>• Experiential Product &amp; Interior Design</li></ul>	C28	ELR2B2-D	4 to 14		
Communication & Motion Design ④  <b>Specialisations:</b> <ul style="list-style-type: none"><li>• Communication Design</li><li>• Motion Design</li></ul>	C30	ELR2B2-D	4 to 15		
Experiential Product & Interior Design ④  <b>Specialisations:</b> <ul style="list-style-type: none"><li>• Interactive Experience</li><li>• 3D Experience</li></ul>	C32	ELR2B2-D	5 to 17		

**Note: (Nanyang Polytechnic)**

- ① *Candidates with colour appreciation 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.*
  - ② *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.*
- 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.*
- ③ *Candidates will have to take and pass a manual dexterity test (MDT) as the MDT is required under industry standards to assess the candidate's fine motor skills crucial for handling of specialized instruments for effective and safe delivery of dental treatment.*
  - ④ *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 Nanyang Polytechnic.*
  - ⑤ *Candidates with colour appreciation deficiency, hearing and 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.*