

# ENTRY REQUIREMENTS OF COURSES TO NGEE ANN POLYTECHNIC

SECTION

4C



**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. For Aggregate Types Computation Criteria (for Polytechnic courses), please refer to Table 6 under Section 4 – Aggregate Types Computation Criteria.

The 2011 JAE COP (Cut-Off Points) as shown in this section, i.e. the net ELR2B2 aggregate score of the lowest ranked students who were admitted to these courses through the 2011 Joint Admissions Exercise (JAE), are meant as a reference for applicants applying to these courses and **do not** constitute the admission scores for subsequent admission exercises.

Courses	Course Code	Aggregate Type	2011 JAE COP	Minimum Entry Requirements								
<b>APPLIED SCIENCES</b>												
Biomedical Science / Biomedical Laboratory Technology ①	N59	ELR2B2-C	9	<table border="0"> <thead> <tr> <th style="text-align: left;">Subject</th> <th style="text-align: left;">Grade</th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) Any one of the following subjects:</td> <td>1-6</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
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Molecular Biotechnology  <u>Specialisation Options:</u> <ul style="list-style-type: none"> <li>• Biopharmaceutical</li> <li>• Entrepreneurship</li> <li>• Forensic Medicine</li> </ul>	N49	ELR2B2-C	10	<ul style="list-style-type: none"> <li>• Biology</li> <li>• Chemistry</li> <li>• Combined Science</li> <li>• Engineering Science</li> <li>• Fundamentals of Electronics</li> <li>• Physical Science</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul>								
Pharmacy Science ③	N73	ELR2B2-C	10									
Veterinary Bioscience	N90	ELR2B2-C	9									
Chemical & Biomolecular Engineering  <u>Specialisation Option:</u> <ul style="list-style-type: none"> <li>• Pharmaceutical &amp; Biopharmaceutical</li> </ul>	N56	ELR2B2-C	13	<table border="0"> <thead> <tr> <th style="text-align: left;">Subject</th> <th style="text-align: left;">Grade</th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) Any one of the following subjects:</td> <td>1-6</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>• Biology</li> <li>• Chemistry</li> <li>• Combined Science</li> <li>• Computer Studies</li> <li>• Design &amp; Technology</li> <li>• Engineering Science</li> <li>• Fundamentals of Electronics</li> <li>• Physical Science</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, 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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Environmental & Water Technology ② ④ ⑤	N74	ELR2B2-C	15	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: right;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td style="text-align: right;">1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td style="text-align: right;">1-6</td> </tr> <tr> <td>c) Any one of the following subjects:</td> <td style="text-align: right;">1-6</td> </tr> <tr> <td> <ul style="list-style-type: none"> <li>• Biology</li> <li>• Chemistry</li> <li>• Combined Science</li> <li>• Computer Studies</li> <li>• Design &amp; Technology</li> <li>• Engineering Science</li> <li>• Fundamentals of Electronics</li> <li>• Physical Science</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> </td> <td></td> </tr> </tbody> </table>	<u>Subject</u>	<u>Grade</u>	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>• Chemistry</li> <li>• Combined Science</li> <li>• Computer Studies</li> <li>• Design &amp; Technology</li> <li>• Engineering Science</li> <li>• Fundamentals of Electronics</li> <li>• Physical Science</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul>			
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Hotel & Leisure Facilities Management ② ④ ⑤	N40	ELR2B2-C	13													
Real Estate Business	N48	ELR2B2-C	15													
Sustainable Urban Design & Engineering  <b><u>Specialisation Options:</u></b> <ul style="list-style-type: none"> <li>• Architecture</li> <li>• Sustainable Technologies</li> </ul>	N89	ELR2B2-C	15													
<b>BUSINESS &amp; MANAGEMENT</b>																
Accountancy  <b><u>Specialisation Options:</u></b> <ul style="list-style-type: none"> <li>• Finance</li> <li>• Business</li> <li>• International Business</li> </ul>	N51	ELR2B2-B	11	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: right;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td style="text-align: right;">1-6</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td style="text-align: right;">1-6</td> </tr> <tr> <td>c) Any three other subjects</td> <td style="text-align: right;">1-6</td> </tr> </tbody> </table> <p><b><u>Note:</u></b> To be eligible for selection, you must also have sat for one subject listed in the 2<sup>nd</sup> group of relevant subjects for the ELR2B2-B Aggregate Type on p.26.</p>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-6	b) Mathematics (Elementary/Additional)	1-6	c) Any three other subjects	1-6				
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Arts Business Management  <b><u>Specialisation Options:</u></b> <ul style="list-style-type: none"> <li>• Performing Arts Management</li> <li>• Visual Arts Management</li> </ul>	N91	ELR2B2-B	11													

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Banking & Financial Services  <b>Specialisation Options:</b> <ul style="list-style-type: none"> <li>International Business</li> <li>Accounting</li> </ul>	N53	ELR2B2-B	9	<table> <thead> <tr> <th>Subject</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-6</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) Any three other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p><b>Note:</b> To be eligible for selection, you must also have sat for one subject listed in the 2<sup>nd</sup> group of relevant subjects for the ELR2B2-B Aggregate Type on p.26.</p>	Subject	Grade	a) English Language	1-6	b) Mathematics (Elementary/Additional)	1-6	c) Any three other subjects	1-6
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Business & Social Enterprise	N79	ELR2B2-B	12									
Business Studies  <b>Specialisation Options:</b> <ul style="list-style-type: none"> <li>Entrepreneurship</li> <li>Finance</li> <li>Human Capital Management</li> <li>International Business</li> <li>Marketing</li> <li>Marketing Communication</li> <li>Psychology</li> <li>Service Management</li> </ul>	N45	ELR2B2-B	11									
International Business	N85	ELR2B2-B	6									
International Logistics & Supply Chain Management  <b>Specialisation Options:</b> <ul style="list-style-type: none"> <li>Dangerous Goods &amp; Cold Chain Logistics</li> <li>Projects &amp; Events Logistics</li> </ul>	N80	ELR2B2-B	16									
Tourism & Resort Management	N72	ELR2B2-B	10									
Business Information Technology  <b>Specialisation Options:</b> <ul style="list-style-type: none"> <li>Tourism</li> <li>Marketing</li> <li>Finance</li> </ul>	N61	ELR2B2-C	14	<table> <thead> <tr> <th>Subject</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-6</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) Any two other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p><b>Note:</b> To be eligible for selection, you must also have sat for one subject listed in the 2<sup>nd</sup> group of relevant subjects for the ELR2B2-C Aggregate Type on p.26.</p>	Subject	Grade	a) English Language	1-6	b) Mathematics (Elementary/Additional)	1-6	c) Any two other subjects	1-6
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Aerospace Electronics ② ③ ⑤ <b>Specialisation Option:</b> Minor in Business Management	N75	ELR2B2-C	13	<table> <thead> <tr> <th>Subject</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) Any one of the following subjects:</td> <td>1-6</td> </tr> <tr> <td>• Biology</td> <td></td> </tr> <tr> <td>• Chemistry</td> <td></td> </tr> <tr> <td>• Combined Science</td> <td></td> </tr> <tr> <td>• Computer Studies</td> <td></td> </tr> <tr> <td>• Design &amp; Technology</td> <td></td> </tr> <tr> <td>• Engineering Science</td> <td></td> </tr> <tr> <td>• Fundamentals of Electronics</td> <td></td> </tr> <tr> <td>• Physical Science</td> <td></td> </tr> <tr> <td>• Physics</td> <td></td> </tr> <tr> <td>• Science (Chemistry, Biology)</td> <td></td> </tr> <tr> <td>• Science (Physics, Biology)</td> <td></td> </tr> <tr> <td>• Science (Physics, Chemistry)</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	• Biology		• Chemistry		• Combined Science		• Computer Studies		• Design & Technology		• Engineering Science		• Fundamentals of Electronics		• Physical Science		• Physics		• Science (Chemistry, Biology)		• Science (Physics, Biology)		• Science (Physics, Chemistry)	
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Aerospace Technology ② ③ ⑤ <b>Specialisation Option:</b> Minor in Business Management	N65	ELR2B2-C	12																																	
Audio-visual Technology ② ④ ⑤ <b>Specialisation Option:</b> Minor in Business Management	N76	ELR2B2-C	14																																	
Automation & Mechatronic Systems ② ④ ⑤ <b>Specialisation Options:</b> <ul style="list-style-type: none"> <li>• Minor in Business Management</li> <li>• Aerospace Systems</li> <li>• Marine &amp; Offshore Systems</li> </ul>	N50	ELR2B2-C	21																																	
Biomedical Engineering ② ④ <b>Specialisation Option:</b> Minor in Business Management	N60	ELR2B2-C	15																																	
Clean Energy Management ② ④ ⑤	N84	ELR2B2-C	15																																	
Electrical Engineering ② ④ <b>Specialisation Options:</b> <ul style="list-style-type: none"> <li>• Minor in Business Management</li> <li>• Audio-visual Technology</li> <li>• Electronics</li> <li>• Engineering Management</li> <li>• Power Engineering</li> <li>• Solar Technology</li> </ul>	N43	ELR2B2-C	22																																	
Electronic & Computer Engineering ② ④ <b>Specialisation Options:</b> <ul style="list-style-type: none"> <li>• Minor in Business Management</li> <li>• Aerospace Electronics</li> <li>• Computer &amp; Mobile Technology</li> <li>• Digital Media &amp; Communications</li> <li>• Microelectronics</li> </ul>	N44	ELR2B2-C	23																																	

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Engineering Science ② ④ ⑤ <b>Specialisation Options:</b> • Automation & Mechatronic Systems • Electrical & Electronic Engineering • Mechanical Engineering	N93	ELR2B2-C	9																																																	
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Health Sciences (Nursing) ⑦	N69*	ELR2B2-C	28	<table border="0"> <thead> <tr> <th></th> <th style="text-align: center;"><u>Subject</u></th> <th style="text-align: center;"><u>Grade</u></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>• Biology</td> <td></td> </tr> <tr> <td></td> <td>• Chemistry</td> <td></td> </tr> <tr> <td></td> <td>• Combined Science</td> <td></td> </tr> <tr> <td></td> <td>• Food &amp; Nutrition</td> <td></td> </tr> <tr> <td></td> <td>• General Science</td> <td></td> </tr> <tr> <td></td> <td>• Human &amp; Social Biology</td> <td></td> </tr> <tr> <td></td> <td>• Physical Science</td> <td></td> </tr> <tr> <td></td> <td>• Physics</td> <td></td> </tr> <tr> <td></td> <td>• Science (Chemistry, Biology)</td> <td></td> </tr> <tr> <td></td> <td>• Science (Physics, Biology)</td> <td></td> </tr> <tr> <td></td> <td>• Science (Physics, Chemistry)</td> <td></td> </tr> </tbody> </table>		<u>Subject</u>	<u>Grade</u>	a)	English Language	1-7	b)	Mathematics (Elementary/Additional)	1-6	c)	Any one of the following subjects:	1-6		• Biology			• Chemistry			• Combined Science			• Food & Nutrition			• General Science			• Human & Social Biology			• Physical Science			• Physics			• Science (Chemistry, Biology)			• Science (Physics, Biology)			• Science (Physics, Chemistry)				
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\* Applicants require net ELR2B2-C aggregate score of 28 points or better to be eligible for N69.

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Child Psychology & Early Education ⑦ ⑧	N86	ELR2B2-A	11	<table border="0"> <thead> <tr> <th></th> <th><u>Subject</u></th> <th><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a)</td> <td>English Language</td> <td>1-6</td> </tr> <tr> <td>b)</td> <td>Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c)</td> <td>Any three other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p><b>Note:</b> Students with a D7 in Mathematics may apply for the course provided they have GCE 'O'-level passes (1-6) in 5 subjects (including English).</p> <p>To be eligible for selection, you must also have sat for one subject listed in the 1<sup>st</sup> group of relevant subjects and another different subject listed in the 2<sup>nd</sup> group of relevant subjects for the ELR2B2-A Aggregate Type on p.26.</p>		<u>Subject</u>	<u>Grade</u>	a)	English Language	1-6	b)	Mathematics (Elementary/Additional)	1-6	c)	Any three other subjects	1-6																											
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Early Childhood Education ⑦ ⑧	N66	ELR2B2-A	14	<p>To be eligible for selection, you must also have sat for one subject listed in the 1<sup>st</sup> group of relevant subjects and another different subject listed in the 2<sup>nd</sup> group of relevant subjects for the ELR2B2-A Aggregate Type on p.26.</p>																																							
Chinese Studies ⑨	N70	ELR2B2-A	13	<table border="0"> <thead> <tr> <th></th> <th><u>Subject</u></th> <th><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a)</td> <td>English Language</td> <td>1-6</td> </tr> <tr> <td>b)</td> <td>Mathematics (Elementary/Additional)</td> <td>1-7</td> </tr> <tr> <td>c)</td> <td>Higher Chinese <b>or</b> Chinese</td> <td>1-4 1-2</td> </tr> <tr> <td>d)</td> <td>Any two other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p><b>Note:</b> To be eligible for selection, you must also have sat for one subject listed in the 1<sup>st</sup> group of relevant subjects and another different subject listed in the 2<sup>nd</sup> group of relevant subjects for the ELR2B2-A Aggregate Type on p.26.</p>		<u>Subject</u>	<u>Grade</u>	a)	English Language	1-6	b)	Mathematics (Elementary/Additional)	1-7	c)	Higher Chinese <b>or</b> Chinese	1-4 1-2	d)	Any two other subjects	1-6																								
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Information Technology ②  <b>Specialisation Options:</b> <ul style="list-style-type: none"> <li>• Business Management</li> <li>• Infocomm Sales &amp; Marketing</li> <li>• Information Security &amp; Forensics</li> <li>• Mobile Business Application</li> <li>• Solutions Architect</li> </ul>	N54	ELR2B2-C	18	<b>Note:</b> <i>To be eligible for selection, you must also have sat for one subject listed in the 2<sup>nd</sup> group of relevant subjects for the ELR2B2-C Aggregate Type on p.26.</i>																																
Multimedia & Animation ② ④ ⑤ ⑫  <b>Specialisation Options:</b> <ul style="list-style-type: none"> <li>• Game Art &amp; Design</li> <li>• Interactive Art &amp; Technology</li> </ul>	N55	ELR2B2-C	14																																	
Network Systems & Security ② ④ ⑪	N64	ELR2B2-C	17	<table> <thead> <tr> <th>Subject</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) Any one of the following subjects:</td> <td>1-6</td> </tr> <tr> <td>• Biology</td> <td></td> </tr> <tr> <td>• Chemistry</td> <td></td> </tr> <tr> <td>• Combined Science</td> <td></td> </tr> <tr> <td>• Computer Studies</td> <td></td> </tr> <tr> <td>• Design &amp; Technology</td> <td></td> </tr> <tr> <td>• Engineering Science</td> <td></td> </tr> <tr> <td>• Fundamentals of Electronics</td> <td></td> </tr> <tr> <td>• Physical Science</td> <td></td> </tr> <tr> <td>• Physics</td> <td></td> </tr> <tr> <td>• Science (Chemistry, Biology)</td> <td></td> </tr> <tr> <td>• Science (Physics, Biology)</td> <td></td> </tr> <tr> <td>• Science (Physics, Chemistry)</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	• Biology		• Chemistry		• Combined Science		• Computer Studies		• Design & Technology		• Engineering Science		• Fundamentals of Electronics		• Physical Science		• Physics		• Science (Chemistry, Biology)		• Science (Physics, Biology)		• Science (Physics, Chemistry)	
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<b>MARITIME STUDIES</b>																																				
Marine & Offshore Technology ② ⑤  <b>Specialisation Options:</b> <ul style="list-style-type: none"> <li>• Minor in Business Management</li> <li>• Design</li> <li>• Oil &amp; Gas</li> </ul>	N42	ELR2B2-C	17	<table> <thead> <tr> <th>Subject</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) Any one of the following subjects:</td> <td>1-6</td> </tr> <tr> <td>• Biology</td> <td></td> </tr> <tr> <td>• Chemistry</td> <td></td> </tr> <tr> <td>• Combined Science</td> <td></td> </tr> <tr> <td>• Computer Studies</td> <td></td> </tr> <tr> <td>• Design &amp; Technology</td> <td></td> </tr> <tr> <td>• Engineering Science</td> <td></td> </tr> <tr> <td>• Fundamentals of Electronics</td> <td></td> </tr> <tr> <td>• Physical Science</td> <td></td> </tr> <tr> <td>• Physics</td> <td></td> </tr> <tr> <td>• Science (Chemistry, Biology)</td> <td></td> </tr> <tr> <td>• Science (Physics, Biology)</td> <td></td> </tr> <tr> <td>• Science (Physics, Chemistry)</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	• Biology		• Chemistry		• Combined Science		• Computer Studies		• Design & Technology		• Engineering Science		• Fundamentals of Electronics		• Physical Science		• Physics		• Science (Chemistry, Biology)		• Science (Physics, Biology)		• Science (Physics, Chemistry)	
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Courses	Course Code	Aggregate Type	2011 JAE COP	Minimum Entry Requirements										
<b>MEDIA &amp; DESIGN</b>														
Advertising & Public Relations ⑫	N87	ELR2B2-A	12	<table> <thead> <tr> <th>Subject</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-3</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-7</td> </tr> <tr> <td>c) Any three other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p><b>Note:</b> To be eligible for selection, you must also have sat for one subject listed in the 1<sup>st</sup> group of relevant subjects and another different subject listed in the 2<sup>nd</sup> group of relevant subjects for the ELR2B2-A Aggregate Type on p.26.</p>	Subject	Grade	a) English Language	1-3	b) Mathematics (Elementary/Additional)	1-7	c) Any three other subjects	1-6		
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Mass Communication ⑫ ⑬  <b>Specialisation Options:</b> <ul style="list-style-type: none"> <li>• Advertising &amp; Public Relations</li> <li>• Broadcast Media</li> <li>• Digital Media Communication</li> <li>• Journalism &amp; Publishing</li> </ul>	N67	ELR2B2-A	10											
Animation & 3D Arts ② ④ ⑤ ⑫  <b>Specialisation Options:</b> <ul style="list-style-type: none"> <li>• Character Animation</li> <li>• 3D Arts</li> </ul>	N92	ELR2B2-D	12	<table> <thead> <tr> <th>Subject</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-7</td> </tr> <tr> <td>c) Any two other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p><b>Note:</b> To be eligible for selection, you must also have sat for one subject listed in the 2<sup>nd</sup> group of relevant subjects for the ELR2B2-D Aggregate Type on p.26.</p>	Subject	Grade	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-7	c) Any two other subjects	1-6		
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Courses	Course Code	Aggregate Type	2011 JAE COP	Minimum Entry Requirements								
Film, Sound & Video ② ④ ⑤ ⑫ ⑭	N82	ELR2B2-D	11	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-5</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-7</td> </tr> <tr> <td>c) Any two other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p><b>Note:</b> To be eligible for selection, you must also have sat for one subject listed in the 2<sup>nd</sup> group of relevant subjects for the ELR2B2-D Aggregate Type on p.26.</p>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-5	b) Mathematics (Elementary/Additional)	1-7	c) Any two other subjects	1-6
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Product Design & Innovation ② ⑫	N68	ELR2B2-D	17	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) Any three other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p><b>Note:</b> To be eligible for selection, you must also have sat for one subject listed in the 2<sup>nd</sup> group of relevant subjects for the ELR2B2-D Aggregate Type on p.26.</p>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) Any three other subjects	1-6
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**Note: (Ngee Ann Polytechnic)**

- ① The first year of Biomedical Science and Biomedical Laboratory Technology is common to all students. Students interested in the Diploma in Biomedical Laboratory Technology must not suffer from colour appreciation deficiency. At the end of the first year, they will attend an interview to be conducted by the Department of Laboratory Medicine, National University Hospital. Students not selected for the Diploma in Biomedical Laboratory Technology course will remain in the Biomedical Science course.
- ② Applicants with severe vision deficiency should not apply for these courses.
- ③ Applicants with colour appreciation deficiency are not eligible to apply for **N65 (Diploma in Aerospace Technology)**, **N73 (Diploma in Pharmacy Science)** and **N75 (Diploma in Aerospace Electronics)**
- ④ Applicants with colour appreciation deficiency may apply for and be admitted into these courses if they pass an in-house test.
- ⑤ Applicants with hearing deficiency should not apply for these courses.
- ⑥ Students applying for **N71 (Engineering with Business Management Programme)** can apply to join one of the following nine engineering diploma courses with a minor in business management towards the end of the first semester – Aerospace Electronics, Aerospace Technology, Audio-visual Technology, Automation & Mechatronic Systems, Biomedical Engineering, Electrical Engineering, Electronic & Computer Engineering, Marine & Offshore Technology or Mechanical Engineering.
- ⑦ Applicants for **N66 (Diploma in Early Childhood Education)**, **N69 [Diploma in Health Sciences (Nursing)]** and **N86 (Diploma in Child Psychology & Early Education)** have to pass a medical examination and be free from physical handicap.

Whilst not comprehensive, the following medical conditions may lead to non-acceptance into the Child Psychology & Early Education, Early Childhood Education and Health Sciences (Nursing) courses:

Acquired immune deficiency syndrome (AIDS)	Mobility restricted	Uncontrolled asthma
Active tuberculosis	Physical dependence upon mobility equipment	Uncontrolled diabetes
HBsAg positive / Hepatitis B Carrier	Profound deafness	Uncontrolled epilepsy
Legal Blindness	Psychiatric condition	Uncontrolled hypertension

⑧ **N66 (Diploma in Early Childhood Education) and N86 (Diploma in Child Psychology & Early Education)**

Applicants admitted to N66 (Diploma in Early Childhood Education) or N86 (Diploma in Child Psychology & Early Education) who would like to register as early childhood-teachers must ensure they obtain a minimum B4 in 'O' Level English (English as a First Language) or a minimum band score of 6.5 in the International English Language Testing System (IELTS – General Training) within 2 years of their registration as early childhood English Language teachers.

⑨ **N70 (Diploma in Chinese Studies)**

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/teach/](http://www.moe.gov.sg/careers/teach/).

Applicants should apply directly to MOE at the above MOE teach website and click on the link 'Applicants without Teaching Qualifications' to apply online. Short-listed candidates will be invited for an interview to determine their eligibility for MOE teaching bursaries. Selected candidates for the teaching bursaries must pass a medical examination.

⑩ Applicants for **N77 (Diploma in Psychology Studies)** are required to undergo a medical examination to facilitate placement for community projects and attachments. Psychiatric conditions may lead to non-acceptance into the course.

⑪ Applicants for **N64 (Diploma in Network Systems & Security)** who have successfully completed the Cisco Certified Network Associate (CCNA) course at the local secondary schools will be granted exemptions for relevant modules if they pass a practical test on a module that is equivalent to their highest completed CCNA module.

⑫ Apart from the JAE, candidates with 2011 GCE 'O' level results applying for admission into these courses should also consider the Joint Polytechnic Special Admissions Exercise (JPSAE).

**JOINT POLYTECHNIC SPECIAL ADMISSIONS EXERCISE (JPSAE)**

Current GCE 'O' level holders who possess exceptional talent in areas such as leadership, community service, entrepreneurship, sports and the arts or demonstrate a strong passion or aptitude through work attachments, sustained involvement in projects and outstanding performance in competitions, may be considered for discretionary admission under the JPSAE based on criteria beyond academic results. Application is via the joint polytechnic online portal @ [www.polytechnic.edu.sg/jpsae](http://www.polytechnic.edu.sg/jpsae) Short-listed candidates under the JPSAE will be invited for an interview.

The JPSAE is conducted at the same time as the JAE. All NP courses are open to JPSAE applicants. These include the following two courses with course-specific requirements:

⑬ **N67 (Diploma in Mass Communication)**

Besides the JAE, application for admission to the Mass Communication (MCM) course is also conducted through the Joint Polytechnic Special Admissions Exercise (JPSAE) for candidates with 2011 GCE 'O' level results. Applicants with strong writing, creative thinking, interpersonal and media-related skills, or portfolio are encouraged to apply. Those with 'O' level results of previous years or qualifications other than GCE 'O' levels should apply directly to Ngee Ann Polytechnic through the Direct Admissions Exercise (DAE). Applicants who have attained a minimum grade of B4 in English are eligible to apply under the JPSAE / DAE. Shortlisted candidates under the JPSAE / DAE will be invited for an interview.

JPSAE applicants should apply via the joint polytechnic online portal @ [www.polytechnic.edu.sg/jpsae](http://www.polytechnic.edu.sg/jpsae) during the JAE period. DAE applicants may apply online @ [www.np.edu.sg/dae#dae\\_fms](http://www.np.edu.sg/dae#dae_fms)

⑭ **N82 (Diploma in Film, Sound & Video)**

Besides the JAE, application for admission to the Film, Sound & Video (FSV) course is also conducted through the Joint Polytechnic Special Admissions Exercise (JPSAE) for candidates with 2011 GCE 'O' level results. Applicants with strong creative abilities and a desire for or evidence of storytelling or expression through the visual media are encouraged to apply. Those with 'O' level results of previous years or qualifications other than GCE 'O' levels should apply directly to Ngee Ann Polytechnic through the Direct Admissions Exercise (DAE). Shortlisted candidates under the JPSAE / DAE will be invited for an interview.

JPSAE applicants should apply via the joint polytechnic online portal @ [www.polytechnic.edu.sg/jpsae](http://www.polytechnic.edu.sg/jpsae) during the JAE period. DAE applicants may apply online @ [www.np.edu.sg/dae#dae\\_fms](http://www.np.edu.sg/dae#dae_fms)