

# ENTRY REQUIREMENTS OF COURSES TO TEMASEK POLYTECHNIC

SECTION

4f



## 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. 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>																																											
Applied Food Science & Nutrition <u>Specialisations</u> • Applied Nutrition • Food Safety • Product Development	T26	ELR2B2-C	17	<table border="0"> <thead> <tr> <th colspan="2"><u>Subject</u></th> <th><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>• Engineering Science</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			• Engineering Science			• Physical Science			• Physics			• Science (Chemistry, Biology)			• Science (Physics, Biology)			• Science (Physics, Chemistry)	
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Baking & Culinary Science <u>Specialisations</u> • Baking Science & Technology • Asian Culinary	T44	ELR2B2-C	16																																								
Biomedical Science ②	T27	ELR2B2-C	11																																								
Biotechnology <u>Specialisations</u> • Forensics Bioscience • Biopharmaceutical Technology	T31	ELR2B2-C	13																																								
Chemical Engineering <u>Specialisations</u> • Analytical Chemistry • Environment & Water Technology • Pharmaceutical Manufacturing	T33	ELR2B2-C	18																																								

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Veterinary Technology ①	T45	ELR2B2-C	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>1-7</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>• Design &amp; Technology</td> <td></td> </tr> <tr> <td></td> <td>• Engineering Science</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			• Design & Technology			• Engineering Science			• Physical Science			• Physics			• Science (Chemistry, Biology)			• Science (Physics, Biology)			• Science (Physics, Chemistry)	
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Biomedical Informatics & Engineering ② <u>Electives:</u> ④ • Audiometry & Hearing Devices • Clinical Laboratory Equipment	T38	ELR2B2-C	19	<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>1-7</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>• Design &amp; Technology</td> <td></td> </tr> <tr> <td></td> <td>• Engineering Science</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			• Design & Technology			• Engineering Science			• Physical Science			• Physics			• Science (Chemistry, Biology)			• Science (Physics, Biology)			• Science (Physics, Chemistry)	
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Integrated Facility Management <u>Electives:</u> ④ • Aviation Facilities • Hospitality Facilities	T28	ELR2B2-C	16	<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>1-7</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>• Design &amp; Technology</td> <td></td> </tr> <tr> <td></td> <td>• Engineering Science</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			• Design & Technology			• Engineering Science			• Physical Science			• Physics			• Science (Chemistry, Biology)			• Science (Physics, Biology)			• Science (Physics, Chemistry)	
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<b>BUSINESS &amp; MANAGEMENT</b>												
Accounting & Finance <b>Electives:</b> ④ • Accounting • Banking • Investment	T02	ELR2B2-B	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>1-6</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> <i>To be eligible for selection, applicants 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.</i></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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Business/ Logistics & Operations Management/ Marketing  The first year is common to all students and they will opt for one of the following diplomas at the end of Year 1:  i. Dip in Business ii. Dip in Logistics & Operations Management iii. Dip in Marketing  <b>Electives:</b> ④ Dip in Business • International Business • Tourism & Leisure Business • Finance & Investment • Human Resource Management • Marketing • Corporate Communication • Banking • Entrepreneurship  Dip in Logistics & Operations Management • International Logistics • Supply Chain • Specialised Logistics  Dip in Marketing • Services Marketing • Business Calculus	T01	ELR2B2-B	14									
Culinary & Catering Management	T18	ELR2B2-B	15									
Hospitality & Tourism Management	T08	ELR2B2-B	14									
Leisure & Resort Management	T19	ELR2B2-B	15									
Retail Management	T39	ELR2B2-B	17									

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Aviation Management & Services <b>Options:</b> ④ <ul style="list-style-type: none"> <li>Airport &amp; Airline Business</li> <li>Aeronautical Science (Flight Training)</li> </ul> <b>Concentrations:</b> <ul style="list-style-type: none"> <li>Airport Management</li> <li>Airline Business</li> <li>Air Traffic Management</li> <li>Aircraft Piloting &amp; Flight Operations</li> </ul>	T04	ELR2B2-C	11	<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> <ul style="list-style-type: none"> <li>Biology</li> <li>Chemistry</li> <li>Combined Science</li> <li>Design &amp; Technology</li> <li>Engineering Science</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>	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>Chemistry</li> <li>Combined Science</li> <li>Design &amp; Technology</li> <li>Engineering Science</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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Business Process & Systems Engineering <b>Concentrations:</b> <ul style="list-style-type: none"> <li>Business Analytics</li> <li>Systems Engineering</li> </ul>	T43	ELR2B2-C	18											
Business Information Technology ①	T36	ELR2B2-C	16	<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 three other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p><b>Note:</b>  <i>To be eligible for selection, applicants 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></p>	Subject	Grade	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) Any three other subjects	1-6		
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Communications & Media Management <b>Options:</b> ④ <ul style="list-style-type: none"> <li>Journalism &amp; Publishing</li> <li>Media &amp; Marketing Management</li> <li>Broadcasting</li> </ul>	T40	ELR2B2-A	12	<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>1-3</td> </tr> <tr> <td>b)</td> <td>Mathematics (Elementary/Additional)</td> <td>1-7</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>Art/ Art &amp; Design</li> <li>Business Studies</li> <li>Chinese</li> <li>Combined Humanities</li> <li>Commerce/ Commercial Studies</li> <li>Creative 3D Animation</li> <li>Design &amp; Technology</li> <li>Economics</li> <li>Food &amp; Nutrition</li> <li>Geography</li> <li>Higher Art</li> <li>Higher Chinese</li> <li>Higher Malay</li> <li>Higher Music</li> <li>Higher Tamil</li> <li>History</li> <li>Introduction to Enterprise Development</li> <li>Literature in English/Chinese/Malay/Tamil</li> <li>Malay</li> <li>Media Studies (English)</li> <li>Media Studies (Chinese)</li> <li>Music</li> <li>Principles of Accounts</li> <li>Tamil</li> </ul> </td> <td></td> </tr> <tr> <td>d)</td> <td>Any two other subjects</td> <td>1-6</td> </tr> </tbody> </table>		<u>Subject</u>	<u>Grade</u>	a)	English Language	1-3	b)	Mathematics (Elementary/Additional)	1-7	c)	Any one of the following subjects:	1-6		<ul style="list-style-type: none"> <li>Art/ Art &amp; Design</li> <li>Business Studies</li> <li>Chinese</li> <li>Combined Humanities</li> <li>Commerce/ Commercial Studies</li> <li>Creative 3D Animation</li> <li>Design &amp; Technology</li> <li>Economics</li> <li>Food &amp; Nutrition</li> <li>Geography</li> <li>Higher Art</li> <li>Higher Chinese</li> <li>Higher Malay</li> <li>Higher Music</li> <li>Higher Tamil</li> <li>History</li> <li>Introduction to Enterprise Development</li> <li>Literature in English/Chinese/Malay/Tamil</li> <li>Malay</li> <li>Media Studies (English)</li> <li>Media Studies (Chinese)</li> <li>Music</li> <li>Principles of Accounts</li> <li>Tamil</li> </ul>		d)	Any two other subjects	1-6
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Financial Business Informatics <b>Options:</b> ④ <ul style="list-style-type: none"> <li>Finance</li> <li>Banking</li> </ul>	T17	ELR2B2-C	14	<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>1-7</td> </tr> <tr> <td>b)</td> <td>Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c)</td> <td>Any two other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p><b>Note:</b>  <i>To be eligible for selection, applicants 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></p>		<u>Subject</u>	<u>Grade</u>	a)	English Language	1-7	b)	Mathematics (Elementary/Additional)	1-6	c)	Any two other subjects	1-6						
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Law & Management	T09	ELR2B2-B	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>1-4</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>  <i>To be eligible for selection, applicants 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.</i></p>		<u>Subject</u>	<u>Grade</u>	a)	English Language	1-4	b)	Mathematics (Elementary/Additional)	1-6	c)	Any three other subjects	1-6						
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Courses	Course Code	Aggregate Type	2011 JAE COP	Minimum Entry Requirements										
<b>ENGINEERING</b>														
Aerospace Electronics ② ③ <b>Options:</b> ④ <ul style="list-style-type: none"> <li>Aircraft Systems and Processes</li> <li>Higher Aerospace Training (with Flight training)</li> </ul>	T50	ELR2B2-C	15	<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 one of the following subjects:</td> <td>1-6</td> </tr> <tr> <td> <ul style="list-style-type: none"> <li>Biology</li> <li>Chemistry</li> <li>Combined Science</li> <li>Design &amp; Technology</li> <li>Engineering Science</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>Design &amp; Technology</li> <li>Engineering Science</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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Aerospace Engineering ② ③ <b>Options:</b> ④ <ul style="list-style-type: none"> <li>Aerospace Engineering Systems</li> <li>Higher Aerospace Training (with Flight training)</li> </ul>	T51	ELR2B2-C	13											
Clean Energy ① <b>Concentration:</b> <ul style="list-style-type: none"> <li>Energy Efficiency &amp; Management</li> </ul>	T52	ELR2B2-C	19											
Common Engineering Programme  The first semester is common to all students and they will opt for one of the following 10 diplomas at the end of semester 1: <ul style="list-style-type: none"> <li>Dip in Aerospace Electronics ② ③</li> <li>Dip in Aerospace Engineering ② ③</li> <li>Dip in Biomedical Informatics &amp; Engineering ②</li> <li>Dip in Clean Energy ①</li> <li>Dip in Computer Engineering</li> <li>Dip in Electronics</li> <li>Dip in Infocomm &amp; Network Engineering</li> <li>Dip in Media &amp; Communication Technology</li> <li>Dip in Mechatronics ③</li> <li>Dip in Microelectronics</li> </ul>	T56	ELR2B2-C	20											
Computer Engineering <b>Electives:</b> ④ <ul style="list-style-type: none"> <li>Game Programming</li> <li>Network Security</li> <li>ASP.NET programming</li> <li>Networking Infrastructure</li> </ul>	T13	ELR2B2-C	20											

Courses	Course Code	Aggregate Type	2011 JAE COP	Minimum Entry Requirements										
<p>Electrical &amp; Electronic Engineering Programme ⑦</p> <p>The first semester is common to all students in this Electrical &amp; Electronic Engineering Programme. Students will opt for one of the following diplomas at the end of semester 1 or 2:</p> <p>1) Dip in Aerospace Electronics (with Options ④):</p> <ul style="list-style-type: none"> <li>• Aircraft Systems and Processes</li> <li>• Higher Aerospace Training (with flight training)</li> </ul> <p>2) Dip in Electronics (with Options ④):</p> <ul style="list-style-type: none"> <li>• Aerospace Electronics</li> <li>• Business</li> <li>• Robotics</li> <li>• Networking</li> </ul> <p>3) Dip in Media &amp; Communication Technology (with Electives ④):</p> <ul style="list-style-type: none"> <li>• Media Production &amp; Animation</li> <li>• Mobile Communications</li> <li>• Multimedia Services</li> </ul> <p>4) Dip in Computer Engineering (with Electives ④):</p> <ul style="list-style-type: none"> <li>• Game Programming</li> <li>• Network Security</li> <li>• ASP.NET programming</li> <li>• Networking Infrastructure</li> </ul> <p>5) Dip in Microelectronics (with Electives ④):</p> <ul style="list-style-type: none"> <li>• Nanotechnology</li> <li>• Materials Science</li> <li>• IC Layout &amp; Design</li> </ul>	T05	ELR2B2-C	20	<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 one of the following subjects:</td> <td>1-6</td> </tr> <tr> <td> <ul style="list-style-type: none"> <li>• Biology</li> <li>• Chemistry</li> <li>• Combined Science</li> <li>• Design &amp; Technology</li> <li>• Engineering Science</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>• Design &amp; Technology</li> <li>• Engineering Science</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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Courses	Course Code	Aggregate Type	2011 JAE COP	Minimum Entry Requirements										
<p>Infocomm &amp; Network Engineering</p> <p><b>Electives:</b> ④</p> <ul style="list-style-type: none"> <li>• Web &amp; Game Development</li> <li>• Networking &amp; Communications</li> </ul>	T37	ELR2B2-C	22	<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 one of the following subjects:</td> <td>1-6</td> </tr> <tr> <td> <ul style="list-style-type: none"> <li>• Biology</li> <li>• Chemistry</li> <li>• Combined Science</li> <li>• Design &amp; Technology</li> <li>• Engineering Science</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>• Design &amp; Technology</li> <li>• Engineering Science</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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<p>Mechatronics/ Aerospace Engineering ③ ⑦</p> <p>The first semester is common to all students in this Mechatronics &amp; Aerospace Programme. Students will opt for one of the following two diplomas at the end of semester 1:</p> <p>1) Dip in Aerospace Engineering (with Options ④):</p> <ul style="list-style-type: none"> <li>• Aerospace Engineering Systems</li> <li>• Higher Aerospace Training (with flight training)</li> </ul> <p>2) Dip in Mechatronics (with Options ④):</p> <ul style="list-style-type: none"> <li>• Aerospace Engineering</li> <li>• Process Control &amp; Automation</li> <li>• Robotics</li> </ul>	T06	ELR2B2-C	20											

Courses	Course Code	Aggregate Type	2011 JAE COP	Minimum Entry Requirements								
<b>HUMANITIES</b>												
Early Childhood Studies ⑤ ⑥	T54	ELR2B2-A	13	<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>1-6</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, applicants 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
<u>Subject</u>	<u>Grade</u>											
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Gerontological Management Studies	T53	ELR2B2-A	16	<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>1-6</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, applicants 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) Any three other subjects	1-6
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Psychology Studies	T48	ELR2B2-A	9	<p><b>Note:</b> To be eligible for selection, applicants 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>								
<b>INFORMATION &amp; DIGITAL TECHNOLOGIES</b>												
Business Intelligence & Analytics①④ (New course in JAE)	T57	ELR2B2-C		<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>1-6</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, applicants 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>	<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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Courses	Course Code	Aggregate Type	2011 JAE COP	Minimum Entry Requirements																												
Cyber & Digital Security ①	T15	ELR2B2-C	16	<table border="0"> <thead> <tr> <th style="text-align: center;"><u>Subject</u></th> <th style="text-align: center;"><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 two other subjects</td> <td>1-6</td> </tr> </tbody> </table>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) Any two other subjects	1-6																				
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Game & Entertainment Technology ① ③ <b>Options:</b> <ul style="list-style-type: none"> <li>• Advanced Game Development</li> <li>• 3D Game Design &amp; Development</li> <li>• 3D Game Visual Effects</li> </ul>	T16	ELR2B2-C	19	<b>Note:</b> <i>To be eligible for selection, applicants 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>																												
Information Technology <b>Options:</b> ④ <ul style="list-style-type: none"> <li>• Business Analytics</li> <li>• Project Management</li> <li>• Enterprise Systems</li> </ul>	T30	ELR2B2-C	19																													
Interactive Media Informatics ② <b>Options:</b> ④ <ul style="list-style-type: none"> <li>• Digital Advertising</li> <li>• Edumatics</li> </ul>	T34	ELR2B2-C	22																													
Mobile & Network Services ① <b>Options:</b> ④ <ul style="list-style-type: none"> <li>• Mobile Solutions</li> <li>• IT Service Management</li> </ul>	T42	ELR2B2-C	21																													
Digital Forensics ①	T55	ELR2B2-C	12	<table border="0"> <thead> <tr> <th style="text-align: center;"><u>Subject</u></th> <th style="text-align: center;"><u>Grade</u></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> <b>Note:</b> <i>To be eligible for selection, applicants 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>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-6	b) Mathematics (Elementary/Additional)	1-6	c) Any two other subjects	1-6																				
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<b>MEDIA &amp; DESIGN</b>																																
3D Interactive Media Technology ② <b>Concentrations:</b> <ul style="list-style-type: none"> <li>• 3D Simulations</li> <li>• 3D Product Modeling</li> <li>• 3D Displays</li> </ul>	T49	ELR2B2-C	21	<table border="0"> <thead> <tr> <th style="text-align: center;"><u>Subject</u></th> <th style="text-align: center;"><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 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>    • Design &amp; Technology</td> <td></td> </tr> <tr> <td>    • Engineering Science</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>	<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		• Design & Technology		• Engineering Science		• 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								
Apparel Design & Merchandising ② ③	T20	ELR2B2-D	15	<table border="0"> <thead> <tr> <th style="text-align: center;">Subject</th> <th style="text-align: center;">Grade</th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-6</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-7</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, applicants 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	1-6	b) Mathematics (Elementary/Additional)	1-7	c) Any three other subjects	1-6
Subject	Grade											
a) English Language	1-6											
b) Mathematics (Elementary/Additional)	1-7											
c) Any three other subjects	1-6											
Moving Images ② ③	T23	ELR2B2-D	19									
Visual Communication ② ③ (Visual Communication covers Advertising & Design)	T24	ELR2B2-D	14									
Environment Design ② ③	T46	ELR2B2-D	19									
Interactive Media Design ② ③	T21	ELR2B2-D	18									
Interior Architecture & Design ② ③	T22	ELR2B2-D	15	<p><b>Note:</b> To be eligible for selection, applicants 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>								
Product & Industrial Design ② ③ ③	T35	ELR2B2-D	19									
Retail & Hospitality Design ② ③	T47	ELR2B2-D	17									

**Note: (Temasek Polytechnic)**

- ① Applicants with complete Colour Appreciation Deficiency are not eligible to apply.
- ② Applicants with partial or complete Colour Appreciation Deficiency are not eligible to apply.
- ③ For safety reasons, applicants applying for these courses must ensure that they do not suffer from medical conditions such as epilepsy or hearing impairment.
- ④ Allocation of options/ electives will depend on students fulfilling the prerequisite of completing selected modules, meeting criteria, and also availability of places in the respective courses.
- ⑤ In addition to satisfying the Fitness requirement at the Polytechnic's pre-enrolment medical examination and medical requirements of other regulatory authorities (if applicable), applicants offered a place in T54 (Diploma in Early Childhood Studies) must also be free from physical disabilities.

Whilst not comprehensive, the following medical conditions may lead to non-acceptance into the Early Childhood Studies course:

Acquired Immune Deficiency Syndrome (AIDS) / Human Immunodeficiency Virus (HIV)	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

- ⑥ Applicants admitted to T54 (Diploma in Early Childhood Studies) and are keen to register as pre-school teachers after graduation must ensure that they obtain a minimum of B4 in their GCE 'O' Level English Language (English as a First Language) or a minimum band of 6.5 in the International English Language Testing System (IELTS – General Training). Applicants who do not meet the English Language requirement must ensure that they do so within 2 years of their registration as pre-school teachers.
- ⑦ Students opting for T50 (Diploma in Aerospace Electronics) or T51 (Diploma in Aerospace Engineering) must ensure that they satisfy the requirements as stated in the footnotes under the respective courses (i.e. T50 and T51).

- ⑧ *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)**

Besides the application through JAE, applicants who demonstrate a strong passion or aptitude through work attachments, sustained involvement in projects and outstanding performance in competitions and/or possess exceptional talent in areas such as leadership, community service, entrepreneurship, sports and arts are also encouraged to submit their applications through the JPSAE. Short-listed applicants under the JPSAE may be invited for an interview and/or test.

For more information on JPSAE, applicants may logon to <http://www.polytechnic.edu.sg>.

Candidates who are not eligible to participate in JPSAE may appeal through Direct Admissions Exercise (DAE) at [http://www.tp.edu.sg/home/admissions/adm\\_exercise/dae.htm](http://www.tp.edu.sg/home/admissions/adm_exercise/dae.htm).

### **APPLICATION FOR DIPLOMA IN CONSUMER SCIENCE & TECHNOLOGY**

Applicants who are keen on a teaching career as Home Economics Teachers with the Ministry of Education (MOE) are encouraged to apply for the Diploma in Consumer Science & Technology course under a separate exercise administered by MOE. Applicants should apply directly to MOE at the following website:  
<http://www.moe.gov.sg/careers/teach/applying/o-levels/>.