AGF Checklist for CEG students from AY2021/2022 intake

<table>
<thead>
<tr>
<th>Have I fulfilled the following requirements?</th>
<th>MCs</th>
<th>Tick if fulfilled</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Common Curriculum Requirements</strong></td>
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<tr>
<td>Communities and Engagement - GEN</td>
<td>4</td>
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<tr>
<td>Cultures and Connections - GEC</td>
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<tr>
<td>Critique and Expression - ES2531 Critical Thinking and Writing</td>
<td>4</td>
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<tr>
<td>Digital Literacy - CS1010 Programming Methodology</td>
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<tr>
<td>Data Literacy - GEA1000 Quantitative Reasoning with Data</td>
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<tr>
<td>Singapore Studies - GESS</td>
<td>4</td>
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<tr>
<td>Artificial Intelligence - EE2211 Introduction to Machine Learning</td>
<td>4</td>
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<tr>
<td>Creating Narratives</td>
<td>4</td>
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<tr>
<td>Design Thinking - DTK1234 Design Thinking</td>
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<tr>
<td>Integrated Project - CG4002 Computer Engineering Capstone Project</td>
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<tr>
<td>Maker Space - EG1311 Design and Make</td>
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<tr>
<td>Project Management - PF1101 Fundamentals of Project Management</td>
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<tr>
<td>Sustainable Futures - EG2501 Liveable Cities</td>
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<tr>
<td>Systems Thinking - IE2141 Systems Thinking and Dynamics</td>
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<tr>
<td><strong>2. Programme Requirements:</strong></td>
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<tr>
<td><strong>Engineering Core</strong></td>
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<tr>
<td>MA1511 Engineering Calculus</td>
<td>2</td>
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<tr>
<td>MA1512 Differential Equations for Engineering</td>
<td>2</td>
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<tr>
<td>MA1508E Linear Algebra for Engineering</td>
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<tr>
<td>EG2401A Engineering Professionalism</td>
<td>2</td>
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<tr>
<td><strong>CP3880 Advanced Technology Attachment Programme (12 MCs) OR EG3611A Industrial Attachment (10 MCs)</strong></td>
<td>10</td>
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<tr>
<td><strong>CEG Major</strong></td>
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<tr>
<td>CG1111A Engineering Principles and Practice I</td>
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<tr>
<td>CG2111A Engineering Principles and Practice II</td>
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<tr>
<td>CS1231 Discrete Structures</td>
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<tr>
<td>CG2023 Signals &amp; Systems</td>
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<tr>
<td>CG2027 Transistor-level Digital Circuits</td>
<td>2</td>
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<tr>
<td>CG2028 Computer Organization</td>
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<tr>
<td>CG2271 Real-Time Operating Systems</td>
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<tr>
<td>CS2040C Data Structures and Algorithms</td>
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<tr>
<td>CS2113 Software Engineering &amp; Object-Oriented Programming</td>
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<td>EE2026 Digital Design</td>
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<tr>
<td>EE4204 Computer Networks</td>
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<tr>
<td><strong>3. Unrestricted Elective Module (UEM):</strong></td>
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<tr>
<td>which may be acquired through:</td>
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<tr>
<td>- Bridging modules e.g. MA1301 and PC1201</td>
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<tr>
<td>- CEG Technical Electives</td>
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<tr>
<td>- CEG Specialisation e.g. IoT and Robotics</td>
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<tr>
<td>- <strong>ES1103 English for Academic Purposes</strong></td>
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<td>(if not exempted)</td>
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</tbody>
</table>
- **Innovation and Design Programme** (iDP) and/or **NUS Overseas Colleges** (NOC)
- Enhancement programmes e.g. UROP via **FoE** or **SoC**
- **Minor programmes**
- **Double/Second Major**
- University Scholars Programme (USP) or New College

[Almost all/any modules offered within NUS, can count as/be used to fulfil UEM, so choose wisely!]

| Have I fulfilled all requirements to graduate? | 160 (min) |

**Other information:**

1. **Limit on Level 1000 modules:** Students should **not read more than 60 MCs of level 1000 modules** towards their degree requirements (minimum of 160 MCs for graduation).

2. **Satisfactory / Unsatisfactory (S/U) option (AY2021 intake):** Refer to **S/U homepage within student portal** for more information.

3. **Advanced Placement Credits (APCs) for Poly graduates admitted to CEG in AY2021/22**
   - DTK1234 Design Thinking 4 MCs
   - EG1311 Design and Make 4 MCs
   - EG3611P Industrial Attachment 10 MCs
   - Unrestricted Elective Modules: 20 MCs