<table>
<thead>
<tr>
<th>#</th>
<th>Programme</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Welcome Address by Prof LS Peh Chair, Joint Academic Committee (JAC)</td>
</tr>
<tr>
<td>2</td>
<td>Academic Matters by Assoc Prof Bharadwaj CEG Year 2 Coordinator</td>
</tr>
<tr>
<td>3</td>
<td>NUS Overseas Colleges (NOC)</td>
</tr>
<tr>
<td></td>
<td>Start-up your Entrepreneurial Experience with NOC</td>
</tr>
<tr>
<td>4</td>
<td>Talk by Ms PS Lee, Career Advisor, Centre for Future-ready Graduates (CFG)</td>
</tr>
</tbody>
</table>
Excerpt from OSHE Circular No. 24 on NUSafe:

- NUSafe is embedded within the uNivUS platform; please sign-in to uNivUS using the NUS WiFi network when on campus, so that NUSafe is activated.
- A personal “Safety Profile” within the NUSafe app has been created for you. The profile will indicate your primary activity zone, including the days you can visit the campus.
- Within your assigned zone, you need to show the NUSafe’s in-app “Green Pass” or “Safety Profile Screen” to attend in-person (f2f) classes, buy food/drinks at canteen, take ISB#, etc.

#As there is no NUS Wifi at Kent Ridge MRT, students can just show their “Safety Profile” tab when boarding the internal shuttle bus (that now runs by specific zones).

https://emergency.nus.edu.sg/
Campus Zoning  Sem 1, AY20/21

Be socially responsible
- Come to campus only when you are supposed to*
- Stay within your zone
- Use uNivUS app for health declaration and NUSafe
- Refer to FAQs on NUSafe
- Reduce physical interaction & observe safe distancing
- Wear a mask (properly) when you leave your hostel or home
- If unwell, even with mild flu-like symptoms, see a doctor

*If you have signed up as UG TAs for f2f class(es), please ask the module coordinator to email Mun Bak, so that he can update (“add days”, as exception) backend.

https://emergency.nus.edu.sg/
Joint Department Briefing for CEG2

6 August 2020, 10am

A/Prof Bharadwaj Veeravalli elebv@nus.edu.sg
CEG Year 2 Coordinator
Joint Academic Committee (JAC)
Department of Electrical & Computer Engineering
Calling for Achievements & News in Competitions, Projects, Sports, etc., so that we can brag broadcast!

Refer to https://ceg.nus.edu.sg/students/achievements/

CEG1 & CEG2 students: Email Mun Bak lowmb@nus.edu.sg
CEG3 & CEG4 students: Email Winnie cegcwn@nus.edu.sg
Full BEng(CEG) Degree Requirements  
(for **AY19/20** intake)

<table>
<thead>
<tr>
<th>Programme Requirements</th>
<th>General Education Modules / University-Level Requirements</th>
<th>Unrestricted Elective Modules/Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>108 MCs</td>
<td>1 x General Education Module (GEM) from:</td>
<td>32 MCs, drawn from modules offered across NUS (including ES1000/ES1103, if not exempted)</td>
</tr>
<tr>
<td></td>
<td>• Human Cultures GEH1xxx</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Asking Questions GEQ1000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Quantitative Reasoning GER1000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Singapore Studies GES1xxx</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Thinking and Expression GET1xxx</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20 MCs (5 x 4 MCs each)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total MCs = 160</td>
<td></td>
</tr>
</tbody>
</table>

Honours Degree Classification is determined by CAP
### Programme/Major Requirements

<table>
<thead>
<tr>
<th>Programme Components</th>
<th>Modules</th>
<th>MCs</th>
</tr>
</thead>
</table>
| Faculty Requirements | ▪ CS2101 Effective Comm for Computing Professionals  
▪ EG2401A Engineering Professionalism                           | 6   |
| Core Modules         | ▪ CS1010 Prog Methodology  
▪ CS1231 Discrete Structures  
▪ MA1508E Lin Algebra for Engrg  
▪ MA1511 Engrg Calculus  
▪ MA1512 Diff Eqns for Engrg  
▪ CG2023 Signals & Systems  
▪ CG2027 Transister-lvl Digi Ckts  
▪ CG2028 Computer Organisation  
▪ CG2271 Real-time OS  
▪ CS2040C Data Struct & Algor  
▪ CS2113T Software Engrg & OOP  
▪ EE2026 Digital Design  
▪ ST2334 Probability & Statistics  
▪ CG3207 OR CS3230  
▪ CP3880 OR EG3611A  
▪ EE4204 Computer Networks | 62  |
| Projects             | ▪ CG1111 Engineering Principles and Practice I  
▪ CG1112 Engineering Principles and Practice II  
▪ CG4002 Computer Engineering Capstone Project | 20  |
| Technical Electives  | Minimum 20 MCs; at least 12 MCs technical Depth electives (from any concentration) | 20  |

**Total MCs for Programme Requirements** 108
Possible Schedule for AY19/20 Common Engrg students streamed to CEG2 in AY20/21

<table>
<thead>
<tr>
<th>Sem 1, AY19/20</th>
<th>Sem 2</th>
<th>Sem 3, AY20/21</th>
<th>Sem 4</th>
<th>Sem 5</th>
<th>Sem 6</th>
<th>Sem 7</th>
<th>Sem 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>CG1111 EPP1 (6 MCs)</td>
<td>CG1112 EPP2 (6 MCs)</td>
<td>CS1231 Discrete Structures</td>
<td>CG2023 Signals &amp; Systems</td>
<td>CG2271 Real-Time Operating Syst</td>
<td>CP3680 ATAP (12 MCs) OR CG3207 OR CS3230</td>
<td>CP4106/EE4002R OR CP4106/EE4002R OR TE Depth</td>
<td></td>
</tr>
<tr>
<td>CS1010E Programming Methodology</td>
<td>MA1508E Linear Algebra for Engrg (2 MCs)</td>
<td>CS2040C Data Structures &amp; Algorithms</td>
<td>CG2027 Transistor-level Digital Circuits (2 MCs)</td>
<td>EE4204 Computer Networks</td>
<td>EG3611A IA (10 MCs)</td>
<td>Technical Elective Breadth (2 MCs if took ATAP)</td>
<td></td>
</tr>
<tr>
<td>MA1505 Mathematics I (map to MA1511 and 2 MCs UEM1)</td>
<td>MA1512 Diff Eqn for Engrg (2 MCs)</td>
<td>EE2026 Digital Design</td>
<td>CG2028 Computer Organisation (2 MCs)</td>
<td></td>
<td></td>
<td>Technical Elective Depth</td>
<td></td>
</tr>
<tr>
<td>GER1000</td>
<td>GEQ1000</td>
<td>ST2334 Probability &amp; Statistics</td>
<td>CS2101 Effective Comm for Computing Professionals</td>
<td>Technical Elective Breadth</td>
<td>EG2401A Engrg Profs (2 MCs) ^</td>
<td>UEM5</td>
<td></td>
</tr>
<tr>
<td>ES1103* OR UEM2</td>
<td>GET1xxx</td>
<td>GES1xxx</td>
<td>CS2113T Software Engrg &amp; OOP</td>
<td>GEH1xxx</td>
<td>UEM4 ^</td>
<td>UEM6</td>
<td></td>
</tr>
<tr>
<td>UEM1 (2 MCs)</td>
<td>UEM3</td>
<td>UEM3</td>
<td>UEM3</td>
<td>UEM3</td>
<td>UEM3</td>
<td>UEM3</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL (MINIMUM) GRADUATION REQUIREMENTS – 160 MCs

^Students on Industrial Attachment (IA) are allowed to take up to two modules that are offered in the evenings (subject to approvals and availability). Students who prefer not to/are unable to, take evening module(s) during IA, should take some modules in the special terms (so as not to delay graduation).

https://ceg.nus.edu.sg/students/studyschedule/
Possible Schedule for CEG AY19/20
Poly intake (with CG1111 APCs)

<table>
<thead>
<tr>
<th>Sem 1</th>
<th>Sem 2</th>
<th>Sem 3</th>
<th>Sem 4</th>
<th>May – Jul</th>
<th>Sem 5</th>
<th>Sem 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS1010</td>
<td>CS1112</td>
<td>CG2027</td>
<td>CG2023</td>
<td>CG3207 OR CS3230</td>
<td></td>
<td>Technical Elective Breadth</td>
</tr>
<tr>
<td>Programming</td>
<td>EPP2 (6 MCs)</td>
<td>Transistor-level Digital Circuits (2 MCs)</td>
<td>Signals &amp; Systems</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methodology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EE2026</td>
<td>CS1231</td>
<td>CG2028</td>
<td>CG2271</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Digital Design</td>
<td>Discrete Structures</td>
<td>Real-Time Operating Syst</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MA1301¹,²</td>
<td>CS2040C</td>
<td>CS2113</td>
<td>EG2401A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introductory Math</td>
<td>Data Structures &amp; Algorithms</td>
<td>Software Engrg &amp; OOP</td>
<td>Engrg Profsom (2 MCs)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PC1222¹</td>
<td>MA1511</td>
<td>ST2334</td>
<td>EE4204</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fundamentals of Physics II</td>
<td>Engrg Calculus (2 MCs)</td>
<td>Probability &amp; Statistics</td>
<td>Computer Networks</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES1103* (UEM1) or GER1000</td>
<td>MA1512</td>
<td>MA1508E</td>
<td>Technical Elective Breadth</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Diff Eqn for Engrg (2 MCs)</td>
<td>Linear Algebra for Engrg</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEQ1000 (if not read in sem 1) OR UEM1</td>
<td>GER1000</td>
<td>Technical Elective (2 MCs) (if did not do SIP/VIP)</td>
<td></td>
<td></td>
<td>UEM3 (if did not do SIP/VIP)</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL (MINIMUM) GRADUATION REQUIREMENTS = 160 MCs

*including Advanced Placement Credits (APCs) for CG1111, CS2101 and UEM (20 MCs)

https://ceg.nus.edu.sg/students/studyschedule/
**Aims:**
- Broaden students’ intellectual horizons
- Develop critical and creative thinking skills
- Promote spoken and written articulacy

**20 MCs**

Preallocated by PVO (as per your recommended schedule)
Unrestricted Elective Modules

32 MCs

Aims:
• Explore greater breadth/depth in students’ discipline
• Read complementary or contrasting minor/Second Major

Students may use the UEM space:
• to read more technical electives
• to take up CG4001 BEng Dissertation (12 MCs) aka FYP (if you take CG4001, 8 MCs count as technical elective, 4 MCs as UEM)

Look up the details on host dept’s websites & email them/look out for e-blast on application e.g. Second Major in Business Analytics or Minor in Business Analytics

• Minor
• Second Major
• Double Degree

Poly graduates are exempted from 20 MCs UEM (as APCs).
Unrestricted Elective Modules

Minor Programmes (24 MCs)
• List of Minor Programmes (more than 50 Minors offered)
  • [http://www.nus.edu.sg/registrar/academic-information-policies/undergraduate-students/special-programmes/minor-programmes](http://www.nus.edu.sg/registrar/academic-information-policies/undergraduate-students/special-programmes/minor-programmes)

Double Major / Second Major (48 MCs)
• List of Second Majors (more than 25 Second Majors offered):
  • [http://www.nus.edu.sg/registrar/academic-information-policies/undergraduate-students/special-programmes/double-major-programmes](http://www.nus.edu.sg/registrar/academic-information-policies/undergraduate-students/special-programmes/double-major-programmes)

• It may be possible to double-count (up to) one-third of the requirements/MCs towards both CEG and the Minor/Second Major programmes.
Advisory on Minor programmes

• ‘Open’ type:
  • Students can declare their intention to do an open minor via Academic Plan Declaration without any prior approval from the Host Dept, no later than the end of the fifth semester of study.

• ‘Restricted’ type:
  • Students are required to apply to the Host Dept and obtain approval (either via Acad Plan Declaration OR email/offline), no later than the end of the fifth semester of study. If approved, Host Dept will then request to update record(s) backend.

Note: Refer to the table in the website given earlier, under “Type” column
Advisory on UEM space

• Start taking steps to plan how you could use the UEM space meaningfully

• You should consider/review how to use your UEM now

• If you do not intend to do a Minor/Second Major, suggest to use your UEM space to read more technical elective (TEs) and/or take up a FYP; this will help to make you a more effective engineer.
Unrestricted Elective Modules

You can also use UEM space to take 1 MC module(s) under Roots & Wings 2.0 that train students on soft skills

For Sem 1, AY20/21,
- PLS8001 Cultivating Collaboration
- PLS8002 Cultivating the Self
- PLS8003 Cultivating Resilience
- PLS8004 Optimizing Performance

Refer to Roots & Wings 2.0 website
http://www.fas.nus.edu.sg/psy/r&w/index.html#faq

If keen to read (in subsequent semesters), Select Module via ModReg from Round 1.
Limit on Level-1000 modules

- **Should not** read more than 60 MCs of level 1000 modules (including Programme/Major, GEMs and UEMs)
  - The 60 MCs limit EXCLUDES CFG1002 Career Catalyst (2 MCs), ES1103 English for Academic Purposes (4 MCs) and 20 MCs UEM APCs (for Poly graduates).

- Any MCs over this limit will not be counted towards the MCs required for graduation (160 MCs). However, they will still be counted/used towards CAP computation.

- CEG Programme requirements (for AY17 intake & after) consist of 28 MCs of level 1000 (core) modules; refer to [http://www.ceg.nus.edu.sg/admissions/curriculum.html](http://www.ceg.nus.edu.sg/admissions/curriculum.html)

Therefore:

\[
60 - 28 \text{ (CEG level1000 core)} - 20 \text{ (GE/ULR x 5)} = 12 \text{ MCs}
\]

i.e. a CEG student can read (up to) 12 MCs of level 1000 modules from UEM space.

E.g. If you have read/passed 64 MCs of level 1000 modules, please ensure your total MCs will sum to (at least) 164 MCs.
Core Modules – General remarks

• Refer to CEG programme - Almost all core areas of CEG are covered in Year 2: Programming/Software, Computer organization, architecture, Hardware, Electronics, Signal processing, Networks

• Year 2 modules provide you a solid foundation for different areas in CEG;

• Most modules will have Labs + Assignments (Time + work) demanding

• Challenging to maintain your CAP!
Currently, the technical **Breadth/Depth** electives are grouped into six concentrations, as follows:

- Communications & Networking
- Embedded Computing
- Large-Scale Computing
- Intelligent Systems
- Interactive Digital Media
- System-On-a-Chip Design

**Breadth level (3xxx)**

**Depth level (4xxx)**

**Breadth** electives provide broad understanding of concepts while **depth** electives provide greater depth & coverage.

Refer to CEG TE page (for AY17 intake & After) - [https://ceg.nus.edu.sg/curriculum/electives-ay17/](https://ceg.nus.edu.sg/curriculum/electives-ay17/)
You can choose technical electives from any concentrations

- **AY19**: Add up to at least 20 MCs AND at least 12 MCs Depth electives

The master-list of TEs listed within CEG concentrations will be updated around July (for Sem 1) and December (for Sem 2).

Also encouraged to attend industry talks organised by CS/ECE Department, Faculty of Engineering, School of Computing and/or NUS Centre for Future-ready Graduates.

Always refer to CEG TE page, at the start of a semester, for the complete/updated list of modules.
Possible Schedule for CEG AY19/20
Direct intake (with compulsory IA)

<table>
<thead>
<tr>
<th>Sem 1</th>
<th>Sem 2</th>
<th>Sem 3</th>
<th>Sem 4</th>
<th>Sem 5</th>
<th>Sem 6</th>
<th>Sem 7</th>
<th>Sem 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>CG1111</td>
<td>CG1112</td>
<td>CS2101</td>
<td>CG2023</td>
<td>CP3880/ATAP (12 MCs)</td>
<td>CG4002 CEG Capstone Project (8 MCs)</td>
<td>CG3207/CS3230</td>
<td>Technical Elective Breadth</td>
</tr>
<tr>
<td>EPP1 (6 MCs)</td>
<td>EPP2 (6 MCs)</td>
<td>Effective Comm for Computing</td>
<td>Signals &amp; Systems</td>
<td>OR Technical Elective Breadth</td>
<td>OR Technical Elective Depth</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Professionals</td>
<td></td>
<td>OR</td>
<td>(2 MCs if took ATAP)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS1010</td>
<td>MA1508E</td>
<td>CS2113T</td>
<td>ST2334</td>
<td>EG3611A IA (10 MCs)</td>
<td>EE4204 Computer Networks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Programming</td>
<td>Linear Algebra</td>
<td>Software Engrg &amp; OOP</td>
<td>Probability &amp; Statistics</td>
<td>OR</td>
<td>CP4106/EE4002R OR TE Depth</td>
<td></td>
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</tr>
<tr>
<td>Methodology</td>
<td>for Engrg</td>
<td></td>
<td></td>
<td>OR</td>
<td>OR CP4106/EE4002R OR TE Depth</td>
<td></td>
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</tr>
<tr>
<td>CS1231</td>
<td>CS2040C</td>
<td>[CG2027 (2 MCs) &amp; CG2028]</td>
<td></td>
<td>EG2401A Engrg Profsm (2 MCs)</td>
<td>GET1xxx</td>
<td>UEM5</td>
<td></td>
</tr>
<tr>
<td>Discrete</td>
<td>Data Structures</td>
<td>(2 MCs)</td>
<td></td>
<td>^</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Structures</td>
<td>&amp; Algorithms</td>
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<td></td>
</tr>
<tr>
<td>MA1511</td>
<td>EE2026</td>
<td>GER1000 (if not read in sem 1)</td>
<td>GEH1xxx</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engr Calculus</td>
<td>Digital Design</td>
<td>OR UEM2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2 MCs)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>MA1512</td>
<td>GEQ1000</td>
<td>GES1xxx</td>
<td>UEM2</td>
<td>UEM3^</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Diff Eqn for</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Engrg (2 MCs)</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>ES1103* (UEM1)</td>
<td>OR GER1000</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

TOTAL (MINIMUM) GRADUATION REQUIREMENTS = 160 MCs

^Students on Industrial Attachment (IA) are allowed to take up to two modules that are offered in the evenings (subject to approvals and availability). Depending on the preferred semester for IA, the modules for sem 5 & 6 may be mutually-swapped. Students who prefer not to/are unable to, take evening module(s) during IA, should take some modules in the special terms (so as not to delay graduation).

https://ceg.nus.edu.sg/students/studyschedule/
Three Differentiated Pathways

Pathways have different focus in:
- Pathway Modules
- Internship
- Final Year Project

Research-focused Pathway (R/P)

Graduate Studies,
Career in R&D

Practising Professional Pathway (PPP)

Professional and Versatile
Career in Industry

Innovation & Design Programme (iDP)

Career in Design & Development,
Technopreneurship
## Three Differentiated Pathways

<table>
<thead>
<tr>
<th></th>
<th>Internship</th>
<th>FYP</th>
<th>Pathway requirement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPP</td>
<td>Technical work</td>
<td>Optional</td>
<td>CS2113/T</td>
</tr>
<tr>
<td>iDP</td>
<td>Technical work</td>
<td>Refer to iDP site <a href="https://www.eng.nus.edu.sg/idp/">https://www.eng.nus.edu.sg/idp/</a></td>
<td></td>
</tr>
<tr>
<td>RfP</td>
<td>CG4003 Advanced Project &amp; Internship @ Research institute/lab</td>
<td>TE #1: CS5/EE5 modules TE #2: CS4/CS5/EE5 modules</td>
<td></td>
</tr>
</tbody>
</table>

If keen in:
- iDP (Second Major in Innovation & Design): double-count CS2101 and EG3301R
- RfP: Highly recommended to take CS2309 [CS Research Methodology](https://www.eng.nus.edu.sg/idp/) or EG2605 [Undergraduate Research Opportunities Programme](https://www.eng.nus.edu.sg/idp/), as UEM (to help in decision-making).

Refer to the [pathway mappings for CEG AY19/20](https://www.eng.nus.edu.sg/idp/)
Some important points

- CG4002 (8 MCs) was first offered in Sem 2, AY19/20. Subsequently, it will be offered in both semesters with a cap on enrolment (due to lab constraints).

- CEG students read/use CS2101 to fulfil pre-req check for EG2401A. As EG2401A is scheduled for Year 3, higher priority (to Select Module) goes to Engrg Year 3 students (Round 1). Year 2 students can only select from Round 3, subjected to quota availability.

- Another briefing on IA-related matters, three pathways and technical electives will be conducted for CEG2 students (AY19 intake) in February 2021.
Grade Point System

Grade Point (GP)

<table>
<thead>
<tr>
<th>Grade</th>
<th>GP</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+/A</td>
<td>5.0</td>
</tr>
<tr>
<td>A-</td>
<td>4.5</td>
</tr>
<tr>
<td>B+</td>
<td>4.0</td>
</tr>
<tr>
<td>B</td>
<td>3.5</td>
</tr>
<tr>
<td>B-</td>
<td>3.0</td>
</tr>
<tr>
<td>C+</td>
<td>2.5</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
</tr>
<tr>
<td>D+</td>
<td>1.5</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
</tr>
</tbody>
</table>

Cumulative Average Point (CAP)

\[(\Sigma MC_i \times GP_i) / (\Sigma MC_i)\]

Degree/Honours Classification: refer to RO page

- Honours (Highest Distinction): CAP ≥ 4.5
- Honours (Distinction): CAP 4.0 to 4.49
- Honours (Merit): CAP 3.5 to 3.99
- Honours: CAP 3.0 to 3.49
- Pass: CAP 2.0 to 2.99
CAP for Continuation and Graduation

For students admitted from AY16/17 onwards:
To graduate, an undergraduate student must have a minimum CAP of 2.00.

To remain in good academic standing, and to continue in an undergraduate programme, a student may not have CAP below 2.00 for two consecutive semesters.

From third semester onwards 😞

<table>
<thead>
<tr>
<th>Academic Standing</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAP ≥ 2.0</td>
</tr>
<tr>
<td>CAP &lt; 2.0 for current semester*</td>
</tr>
<tr>
<td>CAP &lt; 2.0 for two consecutive semesters*</td>
</tr>
</tbody>
</table>

*excluding special term
S/U Grading Option / Grade-free Scheme
(For AY2016/17 intake and after)

- Exercise S/U option for up to 32 MCs (or up to 20 MCs for Poly graduates) in the first two regular semesters and if not fully utilised, up to 12 MCs in subsequent semesters.
- Once an ‘S’ or ‘U’ grade is assigned to a module, it will count towards the 32 MCs limit that can be taken on an S/U basis.

The S/U option can be exercised on:
- All level 1000 modules (except for the English for Academic Purposes modules)
- Level 2000 modules with no other NUS modules as pre-requisites (unless otherwise stipulated by the Facs/Depts)

... i.e. CANNOT exercise S/U option on technical electives

• You may want to consider doing ‘Undergraduate Research Opportunities Programme (UROP)’ through either FoE (EG2605) or SoC (CP3209)

FoE: EG2605 (4 MCs)
https://www.eng.nus.edu.sg/undergraduate/degree-programmes/optional-modules/urop/
Eligibility: Year 1 to 3 Engineering students

SoC: CP3209 (8 MCs)
https://www.comp.nus.edu.sg/programmes/ug/project/urop/
Eligibility: A student must have passed (at least) 60 MCs, with a minimum CAP of 3.8
Student Exchange Programme (SEP) is designed for students to go to overseas partner universities and
  • experience different academic environment, new country & new culture
  • make new friends and stay connected.

SEP for CEG students is administered by SoC UG Office

Students who are keen in going for SEP in Year 3, should apply in Year 2. Round 1 application *may* start in mid/late Sept; please look out for the email blast from Ms Diana Wong.

*timeline tbc, in view of Covid-19 situation SEP for Sem 1, AY20/21 has been suspended

https://ceg.nus.edu.sg/sep/
• Students who take longer than the normal candidature period* to complete their degree requirements will have to pay partial non-subsidized fees, culminating in full non-subsidized fees, during the extended semesters.

*Defined as 8 consecutive semesters for BEng degrees

• MOE tuition grant only covers up to the normal candidature period.

• Refer to [http://www.nus.edu.sg/registrar/administrative-policies-procedures/undergraduate/undergraduate-fees](http://www.nus.edu.sg/registrar/administrative-policies-procedures/undergraduate/undergraduate-fees) -> Tuition Fee Policy
Tuition Fee beyond Normal Candidature

Keep track of your own academic progress.

- If you fail any module(s), you should re-work your study plan/semestral workplans, e.g. take modules in the special term, so as to reduce the likelihood that you may extend beyond four years.

- Pay more attention to your academic progress and be responsible for your studies.

- Seek help and clarifications early.
Academic Dishonesty - Plagiarism

All students share the responsibility for upholding the academic standards and reputation of the University. Academic honesty is a prerequisite condition in the pursuit and acquisition of knowledge.

Academic dishonesty is any misrepresentation with the intent to deceive or failure to acknowledge the source or falsification of information or inaccuracy of statements or cheating at examinations/tests or inappropriate use of resources.

There are many forms of academic dishonesty and plagiarism is one of them. Plagiarism is generally defined as ‘the practice of taking someone else’s work or ideas and passing them off as one’s own’

The University does not condone plagiarism.

https://www.comp.nus.edu.sg/cug/plagiarism/
Academic Advisors

- Each CEG student has an Academic Advisor (AA)/mentor
  [Common Engrg students will be allocated by end-Aug]
  - Offers academic advice & even counselling
  - Can write letters of recommendation
- Try to meet your Academic Advisor regularly
- You are encouraged to upload your biodata to the
  AA portal to allow your AA to know you better
Academic and Emotional Support

- **Department**
  - Peer Tutoring Scheme - Interested junior students will be paired with passionate seniors who had performed well in year 1 & 2 core modules and are keen to volunteer their time to help the juniors
    
    [If keen, email Dr DJ Chua elechuad@nus.edu.sg]

- **Student Support Manager @**
  - [Faculty of Engineering](#) - Mr Martin Nonis & Ms Priya
  - [School of Computing](#) - Ms Adele Chiew
University Health Centre

Emotional & Psychological Well Being
• Anxiety, Depression
• Mental Health, Self-Worth, Shyness, Stress
• Eating Disorders
• Sudden Loss and Grief
• Feelings, Loneliness

Relationship Issues
• Abusive Relationships, Family Stress, Managing Conflicts, Surviving a Breakup

Personal Effectiveness
• Decision Making, Motivation, Test Anxiety, Time Management, Challenges of University Life

http://www.nus.edu.sg/uhc/services/mental-health/student
Q&A