

The Hong Kong University of Science and Technology  
Student Information System  
Reference Materials

**Sample Advisement Report**  
**4-Year SENG Students**

Version: 1.02

Created in September 2012

Maintained by: SIS Helpdesk, ARO

File: SIS website (<https://registry.hkust.edu.hk/sis>)

## Abstract

This is a sample Advisement report of a Year 1 / Year 2 student in School of Engineering (SENG). Data in different sections is made up from different sample students and hence they will not tally with each other. Should students have any query about their own Advisement Report, they should contact their academic advisors or School coordinators. You may also send your questions to SIS Helpdesk at [sishelp@ust.hk](mailto:sishelp@ust.hk). The document is organized by the Requirement Groups as follow:

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## Change Log

Date	Version	Author	Changes
19 <sup>th</sup> Oct. 2012	1.00	Tony C. Lau	<ul style="list-style-type: none"> <li>The document was initially launched</li> </ul>
26 <sup>th</sup> Oct. 2012	1.01	Tony C. Lau	<ul style="list-style-type: none"> <li>Editorial changes</li> </ul>
12 <sup>th</sup> Feb 2014	1.02	Tony C. Lau	<ul style="list-style-type: none"> <li>Replaced the example in Common Core Area C and further elaborated the example in Common Core Area G</li> <li>Include “Course Typically Offered” and new updates in 2013</li> <li>Examples for Year 2 students</li> <li>Examples for students with local sub-degree</li> <li>Refer to UCE website for latest common core course list</li> </ul>


## University Total Credit Requirement (4Y)

This student enrolled 18 credit units in the first term of study. These enrolled courses will be used to fulfill the academic requirements as much as eligible.


**University Total Credit Requirement (4Y)**


**Not Satisfied:** This advisement report is only a reference on student's study progress. It should not be used as an indicator for graduation purpose. To select the appropriate courses in order to graduate, student should read and use this Report along with the appropriate Curriculum Handbook and also seek advice from the advisor or Program Coordinator.


A guide on interpreting the Report is available at ARRO website: (<http://arr.ust.hk/guide-adv-std>). Student is strongly advised to read the guidelines before proceeding to the Report.


**Courses Enrolled (including transfer credits)**

**Not Satisfied:** Students need to earn at least 120 credits.


- Units: 120.00 required, 18.00 taken, 102.00 needed


**Course Used (including transfer credits)**


**Other Courses (including transfer credits)**

## University Common Core Requirement (4Y)

It is not uncommon that most of the courses enrolled in the first term of study will be used to fulfill the University Common Core Requirements.

 **University Common Core Requirement (4Y)**

**Not Satisfied:** Requirement

Common core program comprises a set of credit requirements in the following broad core areas, totalling 36 units (out of a total of 120 units for the degree program). In general, students are expected to complete the majority of the common core credits in Year 1 and Year 2.

If you are interested in a particular course from the following list, please check the official course list at the UCE website (<http://uce.ust.hk>) to confirm its latest status.

In summary, your current status:

- Units: 36.00 required, 15.00 taken, 21.00 needed

## Area A: English Communication

The 6 credit units of English Communication will usually be fulfilled by LANG1002A/S (in Fall term) and LANG1003 (in Spring term).

**Area A: English Communication**

**Not Satisfied:** Requirement

Students are required to complete the following number of units of common core courses.

Your current status is:


- Units: 6.00 required, 3.00 taken, 3.00 needed

 **English Communication Course**

**Satisfied:** List of English Communication common core courses.

The following courses may be used to satisfy this requirement:

Course	Description	Units	When	Grade	Status
<a href="#">View Course List</a>	E-Comm taken				
LANG1002S	<a href="#">Eng for Univ Studies I</a>	3.00	2012-13 Fall		

[View All](#)   
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## Area B: Chinese Communication

It is required to select 3 credit units (usually a course) of Chinese Communication from the Common Core course list to fulfill this requirement.

### Area B: Chinese Communication

**Not Satisfied:** Requirement

Students are required to complete the following number of units of common core courses.

Your current status is:

- Units: 3.00 required, 0.00 taken, 3.00 needed



**Course used to fulfill Chinese Communication Requirement**

## Area C: Quantitative Reasoning (QR)

For this student, the 3 credit units of Quantitative Reasoning requirement is fulfilled by COMP1002P taken in 2012-13 Fall term, Year 1.

### Area C: Quantitative Reasoning (QR)

**Satisfied:** Requirement

Students are required to complete the following number of units of common core courses.

Your current status is:

- Units: 3.00 required, 3.00 taken, 0.00 needed



**Course used to fulfill QR Requirement**

**Satisfied:** List of QR common core courses completed.

The following courses were used to satisfy this requirement:

Course	Description	Units	When	Grade	Notes	Status
COMP1022P	<a href="#">Intro to Comp with Java</a>	3.00	2012-13 Fall			

View All    First 1 of 1 Last

In other cases, for students with local sub-degree qualification (and 9 block transfer credits on common core granted), transfer credits to specific HKUST equivalent courses (e.g. COMP 1022P, MATH 1013) cannot be used to fulfill the University Common Core requirements. Students in such

case shall select other courses on the list (e.g. COMP 1942 / 2711, ISOM 1500, MATH 1712 / 1713, SOSC 1100) as appropriate to fulfill the requirement.

 **QR Course available**

**Satisfied:** List of QR common core courses available.

The following courses may be used to satisfy this requirement:

Course	Description	Units	When	Grade	Status
COMP1021	<a href="#">Intro to Computer Science</a>	3.00	Fall, Spring		
COMP1022P	<a href="#">Intro to Comp with Java</a>	3.00	Fall, Spring		
COMP1022Q	<a href="#">Intro to Comp with Excel VBA</a>	3.00	Fall, Spring		
COMP1942	<a href="#">Explore &amp; Visualize Data</a>	3.00	No fixed pattern		
COMP2711	<a href="#">Discrete Math Tools</a>	4.00	Fall, Spring		
ISOM1500	<a href="#">Insightful Decisions</a>	3.00	Fall		
MATH1003	<a href="#">Calculus &amp; Linear Algebra</a>	3.00	Fall		
MATH1013	<a href="#">Calculus I</a>	3.00	Fall, Spring		
MATH1020	<a href="#">Accelerated Calculus</a>	4.00	Spring		
MATH1023	<a href="#">Honors Calculus I</a>	3.00	Fall		
MATH1712	<a href="#">Mathematics in Daily Life</a>	3.00	No fixed pattern		
MATH1713	<a href="#">Maps and Map Projections</a>	3.00	No fixed pattern		
SOSC1100	<a href="#">Ele Stats So Research</a>	3.00	No fixed pattern		


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## Area D: Science and Technology (S&T)

The system will automatically try to match the enrolled courses to the requirements. In this case, LIFS1030 is in the S&T SSC course list, hence the 3 credit units S&T SSC requirement is satisfied. In addition, PHYS1111 is also selected to fulfill S&T requirement.

### Area D: Science and Technology (S&T)

**Satisfied:** Requirement

Students are required to complete the following number of units of common core courses. Among them at least 3 units from School-Sponsored Courses (SSC).

Your current status is:

- Units: 6.00 required, 6.00 taken, 0.00 needed

#### ✔ Course used to fulfill S&T Requirement

**Satisfied:** List of S&T common core courses completed.

The following courses were used to satisfy this requirement:

Course	Description	Units	When	Grade	Status
LIFS1030	<a href="#">Environmental Science</a>	3.00	2012-13 Fall		✔
PHYS1111	<a href="#">General Physics I</a>	3.00	2012-13 Fall		✔

View All    First ◀ 1-2 of 2 ▶ Last

#### ✔ Verification: 3 units from S&T SSC

**Satisfied:** Students are required to take at least 3 units from S&T SSC.

It indicates that S&T SSC requirement has already been satisfied.



In other cases for students (admitted per local sub-degree / HKALE / IB / GCE-AL) with block transfer credits granted (e.g. STCC UCORE), those credits will be used to fulfill the respective University Common Core requirements as appropriate. The student in the following example shall then select a course (3 credit units) from the S&T SCC available course list (refer to <http://uce.ust.hk>) to satisfy the requirement.

#### Area D: Science and Technology (S&T)

##### **Not Satisfied:** Requirement

Students are required to complete the following number of units of common core courses. Among them at least 3 units from School-Sponsored Courses (SSC).

Your current status is:

- Units: 6.00 required, 3.00 taken, 3.00 needed

##### **Course used to fulfill S&T Requirement**

**Satisfied:** List of S&T common core courses completed.

The following courses were used to satisfy this requirement:

Course	Description	Units	When	Grade	Status
STCC UCORE	<a href="#">STCC (common core course)</a>	3.00	2013-14 Fall	T	
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##### **Verification: 3 units from S&T SSC**

**Not Satisfied:** Students are required to take at least 3 units from S&T SSC.

- Units: 3.00 required, 0.00 taken, 3.00 needed

## Area E: Social Analysis (SA)

### Area E: Social Analysis (SA)

**Not Satisfied:** Requirement

Students are required to complete the following number of units of common core courses. Among them at least 3 units from School-Sponsored Courses (SSC).

Your current status is:

- Units: 6.00 required, 0.00 taken, 6.00 needed

▶ **Course used to fulfill SA Requirement**

▼ **Verification: 3 units from SA SSC**

**Not Satisfied:** Students are required to take at least 3 units from SA SSC.

- Units: 3.00 required, 0.00 taken, 3.00 needed

It indicates that SA SSC requirement has NOT been satisfied.

## Area F: Humanities (H)

### Area F: Humanities (H)

**Not Satisfied:** Requirement

Students are required to complete the following number of units of common core courses. Among them at least 3 units from School-Sponsored Courses (SSC).

Your current status is:

- Units: 6.00 required, 0.00 taken, 6.00 needed

▶ **Course used to fulfill H Requirement**

▼ **Verification: 3 units from H SSC**

**Not Satisfied:** Students are required to take at least 3 units from H SSC.

- Units: 3.00 required, 0.00 taken, 3.00 needed

## Area G: Core Elective (Arts / H / QR / SA / S&T)

Enrolled common core courses (other than Arts) will be used to fulfill specific requirements in other areas first. After those requirements are satisfied, excess credit units enrolled (taken) will be used to fulfill the Core Elective requirement.

In this example, MATH1013 taken is in the QR course list; however Area C: QR requirement has already been fulfilled by COMP1022P and hence MATH1013 is used to fulfill Area G: Core Elective requirement here.

### Area G: Core Elective (Arts / H / QR / SA / S&T)

**Satisfied:** Only when you have fulfilled,

- a) Totally 6 units from following common core courses or
- b) Surplus common core course credits earned in other areas which are allowed to overflow to this area.

Your current status is:



#### Course used to fulfill Core Elective Requirement

**Satisfied:** List of Core Elective common core courses completed.

The following courses were used to satisfy this requirement:

Course	Description	Units	When	Grade	Status
MATH1013	<a href="#">Calculus I</a>	3.00	2012-13 Fall		
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## Area H: Healthy Lifestyle

HLTH 1010 is a required course for the first year of study. Students are required to fulfill the detailed course requirements in BOTH Fall and Spring term. For further details, please refer to Student Affairs Office (SAO).

**Area H: Healthy Lifestyle**

**Satisfied:** Requirement

Students are required to complete the one-year non-credit Healthy Lifestyle course.

Your current status is:

- Courses: 1 required, 1 taken, 0 needed

▼ **Healthy Lifestyle Course**

**Satisfied:** List of Healthy Lifestyle common core courses.

The following courses may be used to satisfy this requirement:

Course	Description	Units	When	Grade	Status
HLTH1010	<a href="#">Healthy Lifestyle</a>	0.00	2012-13 Fall		◆

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## University English Requirement (4Y)

### ▼ University English Requirement (4Y)

**Not Satisfied:** Requirement

Students are expected to complete 12 credits in English language, six credits through required English courses in the University Common Core, and another six through courses approved for the English language requirement.

If you are interested in a particular course from the following list, please check the official course list at Center for Language Education website (<http://lc.ust.hk>) to confirm its latest status.

## University English Requirement

### University English Requirement

**Not Satisfied:** Requirement

- Units: 12.00 required, 9.00 taken, 3.00 needed

#### ▶ English in the Core Curriculum

#### ▼ School-based English




**Satisfied:** Requirement

Students are required to complete the following number of units of courses.

Your current status is:

- Units: 3.00 required, 3.00 taken, 0.00 needed

The following courses may be used to satisfy this requirement:

Course	Description	Units	When	Grade	Status
LANG2030	<a href="#">Tech Com I</a>	3.00	2013-14 Fall		
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Upon major declaration, the respective required course list will be displayed; in this case the student declares major in Mechanical Engineering and hence it is required to complete MECH 3830 and MECH 4900 to satisfy the Department-based English requirements.



### Department-based English

**Not Satisfied:** Requirement

Students are required to complete the following number of courses.

Your current status is:

- Courses: 2 required, 0 taken, 2 needed

The following courses may be used to satisfy this requirement:

Course	Description	Units	When	Grade	Status
MECH3830	<a href="#">Laboratory I</a>	3.00	Spring		
MECH4900	<a href="#">Final Year Design Project</a>	12.00	Fall, Spring		

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Last

## SENG Engineering Fundamental (4Y) \* For Advisement Only \*

There are different fundamental courses designed for different major programs in School of Engineering. This requirement group is to illustrate these fundamental courses to the students before they declare the major programs. Students are NOT required to fulfill requirements under all major programs stipulated in this requirement group.

### SENG Engineering Fundamental (4Y) \* For Advisement Only \*

#### **Not Satisfied:**

Students are advised to take the following Engineering Fundamental Courses to enable them to sample introductory courses for majors in which they are interested, to lay a foundation for a broad range of possible majors, and to complete requirements for the major they eventually select. A matrix showing the overlap of Engineering Fundamentals and major requirements is provided in the School's website.

Students may reuse up to 6 credits of courses to count towards both their major requirements and University Common Core Requirements. Students completing majors in CBME, CEEV, CIVL, CIEV and CPEG are allowed to reuse a maximum of 9 credits to count towards both their major requirements and University Common Core Requirements.

## CENG / CBME / CEEV Engineering fundamental Course

Programs with the same Engineering Fundamental courses are grouped under the same requirement for easy reference, e.g. CENG, CBME & CEEV programs.

Engineering students normally take at least 1 Engineering Introduction Course in their first year of study.

### CENG / CBME / CEEV Engineering Fundamental Course

**Not Satisfied:** Requirement (Common for CENG / CBME / CEEV)

Students are required to complete the following Engineering Fundamental Courses.

- ▶ **Computer Course**
- ▶ **Chemistry Course**
- ▶ **Language and Mathematics and ENGG Course**
- ▶ **Physics Course**
- ▼ **Engineering Introduction Course**

**Satisfied:** Requirement

Students are required to complete the following number of courses. If the students take an introduction course included in their major, this course can be counted towards their major requirement.

Your current status is:

- Courses: 1 required, 1 taken, 0 needed

The following courses may be used to satisfy this requirement:

Course	Description	Units	When	Grade	Status
CENG1000	<a href="#">Intro. to Chem. Bio. Engg.</a>	3.00	2012-13 Fall		◆
CIVL1100	<a href="#">Civil and Envir Engg</a>	3.00			
COMP1021	<a href="#">Intro to Computer Science</a>	3.00			
ELEC1100	<a href="#">Electro-Robot Design</a>	4.00			
ELEC1200	<a href="#">System View of Comm</a>	4.00			
IELM2010	<a href="#">IE &amp; Modern Logistics</a>	3.00			
IELM2200	<a href="#">Engineering Management</a>	3.00			
MECH1901	<a href="#">Automotive Engineering</a>	3.00			
MECH1902	<a href="#">Sustainable Energy System</a>	3.00			

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## CIVL / CIEV Engineering Fundamental Course

### CIVL / CIEV Engineering Fundamental Course

**Not Satisfied:** Requirement (Common for CIVL / CIEV)

Students are required to complete the following Engineering Fundamental Courses.

- ▶ Computer Course
- ▶ Chemistry Course
- ▶ Language and Mathematics and ENGG Course
- ▶ Physics Course

## CPEG Engineering Fundamental Course

There are two sets of Physics courses (i.e. Physics I and Physics II); and students need to take one Physics course from each set.

### CPEG Engineering Fundamental Course

**Not Satisfied:** Requirement (CPEG)

Students are required to complete the following Engineering Fundamental Courses.

- ▶ Computer Course
- ▶ Electronic & Comp Engineering / Mathematics Course
- ▶ Language and Mathematics and ENGG Course
- ▶ Physics Course
- ▶ Physics Course
- ▶ Engineering Introduction Course

## COMP Engineering Fundamental Course

### COMP Engineering Fundamental Course

**Not Satisfied:** Requirement (COMP)

Students are required to complete the following Engineering Fundamental Courses.

- ▶ Computer Course
- ▶ Chemistry / Physics Course
- ▶ Language and Mathematics and ENGG Course
- ▶ Engineering Introduction Course

## ELEC Engineering Fundamental Course

There are two sets of Physics courses (i.e. Physics I and Physics II); and students need to take one Physics course from each set.

### ELEC Engineering Fundamental Course

**Not Satisfied:** Requirement (ELEC)

Students are required to complete the following Engineering Fundamental Courses.

- ▶ Electronic & Comp Engineering / Mathematics Course
- ▶ Computer Course
- ▶ Language and Mathematics and ENGG Course
- ▶ Physics Course
- ▶ Physics Course
- ▶ Engineering Introduction Course

## IEEM / IELM Engineering Fundamental Course

### IEEM / IELM Engineering Fundamental Course

**Not Satisfied:** Requirement (Common for IEEM / IELM)

Students are required to complete the following Engineering Fundamental Courses.

- ▶ Computer Course
- ▶ Chemistry I / Physics II Course
- ▶ Language and Mathematics and ENGG Course
- ▶ Physics I Course
- ▶ Engineering Introduction Course

## MECH Engineering Fundamental Course

### MECH Engineering Fundamental Course

**Not Satisfied:** Requirement (MECH)

Students are required to complete the following Engineering Fundamental Courses.

- ▶ Computer Course
- ▶ Language and Mathematics and ENGG Course
- ▶ Physics Course
- ▶ 1000-level Science Course

## COSC Engineering Fundamental Course

### COSC Engineering Fundamental Course

**Not Satisfied:** Requirement (COSC)


Students are required to complete the following Engineering Fundamental Courses.

▶ **Computer Course**

▶ **Language and Mathematics and ENGG Course**

## Major in Mechanical Engineering (BEng) (4Y)

Upon major declaration, the corresponding Major Requirements will be shown in the advisement report.

 **Major in Mechanical Engineering (BEng) (2012-13, 4Y)**

**Not Satisfied:** Program Requirements

Students are required to complete courses in the following areas.

Some courses can be used to fulfill both Major and University Common Core Requirements. Students may reuse a maximum of 6 credits to count towards both Requirements.







Student may opt to graduate with or without an option. Students who take an option **MUST** complete all requirements specified in addition to the major requirements.

## MECH Engineering Fundamental Course

**MECH Engineering Fundamental Course**

**Not Satisfied:** Requirement (MECH)

Students are required to complete the following Engineering Fundamental Courses.

-  **COMP Course**
-  **LANG Course**
-  **ENGG Course**
-  **MATH Course: Option A**
-  **PHYS Course**
-  **CHEM / LIFS / PHYS Course**

## MECH Required Course

Other MECH required courses are listed in the requirement below.

### MECH Required Course

**Not Satisfied:** Requirement

Students are required to complete the following required courses.

▼ **Required Course**

**Not Satisfied:** Requirement

Students are required to complete ALL of the following courses.

Your current status is:

- Courses: 18 required, 3 taken, 15 needed

The following courses may be used to satisfy this requirement:

Course	Description	Units	When		
ELEC2420	<a href="#">Basic Electronics</a>	3.00	2013-14 Fall		
MECH1990	<a href="#">Industrial Training</a>	0.00	No fixed pattern		
MECH2020	<a href="#">Statics and Dynamics</a>	3.00	Spring		
MECH2310	<a href="#">Thermodynamics</a>	3.00	2012-13 Spring	B	✓
MECH2410	<a href="#">Engineering Materials I</a>	3.00	Spring		
MECH2520	<a href="#">Design &amp; Manufacturing I</a>	3.00	2013-14 Fall		◆
MECH2907	<a href="#">Mechatronics</a>	3.00	Spring		
MECH3010	<a href="#">Solid Mechanics I</a>	3.00	Fall		
MECH3030	<a href="#">Mechanisms of Machinery</a>	3.00	Spring		
MECH3210	<a href="#">Fluid Mechanics</a>	3.00	Fall		
MECH3300	<a href="#">Energy Conversion</a>	3.00	Fall		
MECH3310	<a href="#">Heat Transfer</a>	3.00	Spring		
MECH3420	<a href="#">Engineering Materials II</a>	3.00	Fall		
MECH3520	<a href="#">Design &amp; Manufacturing II</a>	4.00	Fall		
MECH3610	<a href="#">Control Principles</a>	4.00	Spring		
MECH3630	<a href="#">Electrical Technology</a>	3.00	Spring		
MECH3830	<a href="#">Laboratory I</a>	3.00	Spring		
MECH4900	<a href="#">Final Year Design Project</a>	12.00	Fall, Spring		

The course MECH 2310 was taken in 2012-13 Spring term

The course MECH 3310 will typically be offered in Spring terms

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## Major in Chemical Engineering / Chemical and Biomolecular Engineering / Chemical and Environmental Engineering (BEng) \* For Advisement Only \*

In some cases, students only choose the discipline department in Year 2 (in this example Chemical Engineering Department) but have not yet chosen the Major Program. The advisement reports will then show all relevant Major Requirements (in this case, for 3 major programs) for student's reference.

▶ University Total Credit Requirement (4Y)
▶ University Common Core Requirement (4Y)
▶ University English Requirement (4Y)
▶ Major in Chemical Engineering (BEng) * For Advisement Only *
▶ Major in Chemical and Biomolecular Engineering (BEng) * For Advisement Only *
▶ Major in Chemical and Environmental Engineering (BEng) * For Advisement Only *

Please note that in this case, deviation / exception records may only be posted AFTER a final major program is chosen.

After the final major program is chosen, the other irrelevant Major Requirements will be removed accordingly.