NAME: _____ Contact No: _____ Date: _____ MATRIC NUMBER: ____

FFG Checklist for EE of AY2014 intake Direct Entry Poly students of AY2014 intake:

University Level Requirements (ULR): i) <u>GEM/SS/ULR Breadth:</u> Students are required to read 20 MCs of the ULR consisting of: • 2 x *GEM modules (8 MCs) • 1 SS (4 MCs) • 2 ** ULR Breadth outside student's Faculty (8 MCs)	20
Students are required to read 20 MCs of the ULR consisting of: • 2 x *GEM modules (8 MCs) • 1 SS (4 MCs)	
 2 x *GEM modules (8 MCs) 1 SS (4 MCs) 	
• 1 SS (4 MCs)	
Note: * <u>At least</u> 1 GEM module must be from Subject Group B: Humanities and Social Science. Student must take GEK1549 Critical Thinking and Writing (compulsory) – under GEM Subject Group A: Science & Technology to fulfil ULR, <u>and</u> ES2331 to fulfil Faculty Requirement.	
Singapore Studies (SS) module – SSA2204 or SSA2211 (recommended)	
Recommended ULR Breadth outside student's faculty: BSP1004X / BSP1005 / ACC1002X / MKT1003X / MNO1001X / MNO3301 / DSC2006 / ES2007S / EC1301 / SC1101E.	
Breadth can also be used to meet UEM requirements . See section 2(iii) below).	
Other modules offered as ULR Breadth (module type code U9) by other faculties can also be taken by students to fulfil their ULR Breadth requirements.	
ii) <u>BUSINESS requirements</u>	
Students are strongly encouraged to read at least 1 business/management module from the School of Business (SoB) or the Engineering Technology Management Division (ETM).	
Students may use this business module to meet ULR Breadth outside student's faculty or UEM requirements (see section 2(iii) below).	
v) University Scholars Prg (USP) For USP students, plse refer to <u>http://www.eng.nus.edu.sg/ugrad/SP_usp.html</u>	
v) PC1431 Physics IE & PC1432 Physics IIE (4 MCs each) will count as ULR Breadths for	
hose common engineering students who are <u>streamed to EE in Year 2</u> .	
Inrestricted Elective Modules (UEM):	16
o be acquired through:	
i) Enhancement Programmes	
 EG1603, EG2603A, EG2603B Technopreneurship & Incubation Prg (TIP) – 2/2/8 MCs respectively EG2604 Innovation Prg (IP) – 4 MCs 	
 EG2605 Undergraduate Research Opportunities Prg (UROP) – 4 MCs 	
 EG2605 Undergraduate Research Opportunities Prg (UROP) – 4 MCs EG2606A/B Independent Work Prg (IWP) – 2/4 MCs respectively 	
 EG2606A/B Independent Work Prg (IWP) – 2/4 MCs respectively MCs of each prg can be obtained <u>only once</u>. Students can do <u>either</u> IAP or VIP, but <u>not</u> both. For more info, plse refer to <u>http://www.eng.nus.edu.sq/undergrad/epmc/ep.html</u> BUSINESS requirements 	
 EG2606A/B Independent Work Prg (IWP) – 2/4 MCs respectively MCs of each prg can be obtained <u>only once</u>. Students can do <u>either</u> IAP or VIP, but <u>not</u> both. For more info, plse refer to <u>http://www.eng.nus.edu.sq/undergrad/epmc/ep.html</u> 	
 EG2606A/B Independent Work Prg (IWP) – 2/4 MCs respectively MCs of each prg can be obtained <u>only once</u>. Students can do <u>either</u> IAP or VIP, but <u>not</u> both. For more info, plse refer to <u>http://www.eng.nus.edu.sq/undergrad/epmc/ep.html</u> BUSINESS requirements Students are strongly encouraged to read at least 1 business/management module from the School of Business (SoB) or the Engineering Technology Management Division (ETM). Students may use this business 	

modules can also be used to meet UEM require	ments)			
•	e 27) by other faculties can also be taken by students to fulfil their			
UEM requirements.				
(iv) <u>Minor Prgs</u>				
A student may use up to 20 MCs to satisfy the	ir UEM and another 8 MCs for their ULR Breadth outside			
student's faculty (see section 1(iii) above).	odu ca/uarod/SD minors html			
For more info, plse refer to <u>http://www.eng.nus.edu.sg/ugrad/SP_minors.html</u>				
(v) <u>ECE Technical Electives</u>				
(for students who wish to achieve greater special	lization in ECE fields)			
(vi) University Scholars Prg (USP)				
For more info, plse refer to http://www.eng.nus.edu.sg/ugrad/SP_usp.html				
(vii) <u>NUS Overseas Colleges (NOC)</u>				
For more info, plse refer to http://www.overseas	s.nus.edu.sg/noc/			
(viii) EG1109 Statics & Mechanics of	Materials (4 MCs) & MLE1101 Introductory			
Materials Science & Engineering (4 M	(Cs) will count as UEMs for those common engineering			
students (of AY2010 intake) who are <u>strea</u>	amed to EE in Year 2.			
Programme Requirements		124		
Faculty Requirements:	Sub-total – 10 MCs			
http://www.eng.nus.edu.sg/ugrad/MS_facultyre				
	(4 MCs)			
i) ES2331 Communicating Engineering (r				
(and GEK1549 Critical Thinking and Writing u	inder OLK			
<u>OR</u>				
(ii) ES1501_ / ES1601_ (module type code 01) :				
Students who read ES1501_ / ES1601_ need not read GEK1549 & ES2331. They need to take a module to				
	not read GEK1549 & ES2331. They need to take a module to			
Students who read ES1501_ / ES1601_ need n fulfil GEM A requirement separately.	not read GEK1549 & ES2331. They need to take a module to			
fulfil GEM A requirement separately.	not read GEK1549 & ES2331. They need to take a module to			
fulfil GEM A requirement separately.	not read GEK1549 & ES2331. They need to take a module to			
fulfil GEM A requirement separately.				
fulfil GEM A requirement separately. OR (iii) For students residing in U-Town: IEM1201_ (in lieu of Critical Thinking & wr (and IEM2201_ [with pre-req of IEM1201_	riting requirement, module type code 27/U9) _] in lieu of ES2331, module type code 01)			
fulfil GEM A requirement separately. <u>OR</u> (iii) For students residing in U-Town: IEM1201_ (in lieu of Critical Thinking & wr	riting requirement, module type code 27/U9) _] in lieu of ES2331, module type code 01)			
fulfil GEM A requirement separately. DR iii) For students residing in U-Town: IEM1201_ (in lieu of Critical Thinking & wr (and IEM2201_ [with pre-req of IEM1201_ Students have to take a module to fufil GI	riting requirement, module type code 27/U9) _] in lieu of ES2331, module type code 01) EM A requirement separately.			
fulfil GEM A requirement separately. DR iii) For students residing in U-Town: IEM1201_ (in lieu of Critical Thinking & wr (and IEM2201_ [with pre-req of IEM1201_ Students have to take a module to fufil GI EG2401 Engineering Professionalism	riting requirement, module type code 27/U9) _] in lieu of ES2331, module type code 01) EM A requirement separately. (3 MCs)			
fulfil GEM A requirement separately. DR iii) For students residing in U-Town: IEM1201_ (in lieu of Critical Thinking & wr (and IEM2201_ [with pre-req of IEM1201_ Students have to take a module to fufil GI EG2401 Engineering Professionalism	riting requirement, module type code 27/U9) _] in lieu of ES2331, module type code 01) EM A requirement separately. (3 MCs)			
fulfil GEM A requirement separately. <u>OR</u> iii) For students residing in U-Town: IEM1201_ (in lieu of Critical Thinking & wr (<u>and</u> IEM2201_ [with pre-req of IEM1201_ Students have to take a module to fufil GI G2401 Engineering Professionalism IR2002 Understanding Human Relations in	riting requirement, module type code 27/U9) _] in lieu of ES2331, module type code 01) EM A requirement separately. (3 MCs) n the New Economy (3 MCs)	-		
fulfil GEM A requirement separately. <u>OR</u> iii) For students residing in U-Town: IEM1201_ (in lieu of Critical Thinking & wr (<u>and</u> IEM2201_ [with pre-req of IEM1201_ Students have to take a module to fufil GI G2401 Engineering Professionalism IR2002 Understanding Human Relations in Major Requirements:	riting requirement, module type code 27/U9) _] in lieu of ES2331, module type code 01) EM A requirement separately. (3 MCs)	-		
fulfil GEM A requirement separately. DR iii) For students residing in U-Town: IEM1201_ (in lieu of Critical Thinking & wr (and IEM2201_ [with pre-req of IEM1201_ Students have to take a module to fufil GI EG2401 Engineering Professionalism IR2002 Understanding Human Relations in Major Requirements: (EAR 1 MODULES:	riting requirement, module type code 27/U9) _] in lieu of ES2331, module type code 01) EM A requirement separately. (3 MCs) n the New Economy (3 MCs) Sub-total –114 MCs	-		
fulfil GEM A requirement separately. DR iii) For students residing in U-Town: IEM1201_ (in lieu of Critical Thinking & wr (and IEM2201_ [with pre-req of IEM1201_ Students have to take a module to fufil GI EG2401 Engineering Professionalism IR2002 Understanding Human Relations in Major Requirements: YEAR 1 MODULES: MA1505 Mathematics I	riting requirement, module type code 27/U9) _] in lieu of ES2331, module type code 01) EM A requirement separately. (3 MCs) n the New Economy (3 MCs) Sub-total –114 MCs (4 MCs)	-		
fulfil GEM A requirement separately. DR iii) For students residing in U-Town: IEM1201_ (in lieu of Critical Thinking & wr (and IEM2201_ [with pre-req of IEM1201_ Students have to take a module to fufil GI EG2401 Engineering Professionalism IR2002 Understanding Human Relations in Major Requirements: (EAR 1 MODULES: MA1505 Mathematics I MA1506 Mathematics II	riting requirement, module type code 27/U9) _] in lieu of ES2331, module type code 01) EM A requirement separately. (3 MCs) n the New Economy (3 MCs) Sub-total –114 MCs (4 MCs) (4 MCs) (4 MCs)			
fulfil GEM A requirement separately. <u>OR</u> (iii) For students residing in U-Town: IEM1201_ (in lieu of Critical Thinking & wr (<u>and</u> IEM2201_ [with pre-req of IEM1201_ Students have to take a module to fufil GI EG2401 Engineering Professionalism HR2002 Understanding Human Relations in Major Requirements: <u>YEAR 1 MODULES:</u> MA1505 Mathematics I MA1506 Mathematics II CS1010E Programming Methodology	riting requirement, module type code 27/U9) _] in lieu of ES2331, module type code 01) EM A requirement separately. (3 MCs) n the New Economy (3 MCs) Sub-total –114 MCs (4 MCs) (4 MCs) (4 MCs) (4 MCs)			
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fulfil GEM A requirement separately. OR (iii) For students residing in U-Town: IEM1201_ (in lieu of Critical Thinking & wr (and IEM2201_ [with pre-req of IEM1201_ Students have to take a module to fufil GI EG2401 Engineering Professionalism HR2002 Understanding Human Relations in Major Requirements: YEAR 1 MODULES: MA1505 Mathematics I MA1506 Mathematics II CS1010E Programming Methodology EE1001 Emerging Technologies in Electrica EE1002 Introduction to Circuits and Syster	riting requirement, module type code 27/U9) _] in lieu of ES2331, module type code 01) EM A requirement separately. (3 MCs) n the New Economy (3 MCs) Sub-total –114 MCs (4 MCs) (4 MCs) (4 MCs) (4 MCs) al Engineering (4 MCs) ms (4 MCs)			
fulfil GEM A requirement separately. OR (iii) For students residing in U-Town: IEM1201_ (in lieu of Critical Thinking & wr (and IEM2201_ [with pre-req of IEM1201_ Students have to take a module to fufil GI EG2401 Engineering Professionalism HR2002 Understanding Human Relations in Major Requirements: YEAR 1 MODULES: MA1505 Mathematics I MA1506 Mathematics II CS1010E Programming Methodology EE1001 Emerging Technologies in Electrica EE1002 Introduction to Circuits and Syster < EG1108 Electrical Engineering (3 MCs) will be map	riting requirement, module type code 27/U9) _] in lieu of ES2331, module type code 01) EM A requirement separately. (3 MCs) n the New Economy (3 MCs) Sub-total –114 MCs (4 MCs) (4 MCs) (4 MCs) al Engineering (4 MCs)			
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fulfil GEM A requirement separately. <u>OR</u> (iii) For students residing in U-Town: IEM1201_ (in lieu of Critical Thinking & wr (and IEM2201_ [with pre-req of IEM1201_ Students have to take a module to fufil GI EG2401 Engineering Professionalism HR2002 Understanding Human Relations in Major Requirements: YEAR 1 MODULES: MA1505 Mathematics I MA1506 Mathematics II CS1010E Programming Methodology E1001 Emerging Technologies in Electrica E1002 Introduction to Circuits and Syster < <i>EG1108 Electrical Engineering (3 MCs) will be map</i> <i>streamed to EE in Year 2. See * note 1 below. ></i> E1003 Introduction to Signals and Comm ECE CORE MODULES: E2020 Digital Fundamentals	riting requirement, module type code 27/U9) _] in lieu of ES2331, module type code 01) EM A requirement separately. (3 MCs) n the New Economy (3 MCs) Sub-total –114 MCs (4 MCs) (4 MCs) (4 MCs) (4 MCs) al Engineering (4 MCs) ms (4 MCs) pred to EE1002 for those common engineering students who are nunications (4 MCs) (5 MCs)			
fulfil GEM A requirement separately. DR (iii) For students residing in U-Town: IEM1201_ (in lieu of Critical Thinking & wr (and IEM2201_ [with pre-req of IEM1201_ Students have to take a module to fufil GI EG2401 Engineering Professionalism TR2002 Understanding Human Relations in Major Requirements: YEAR 1 MODULES: MA1505 Mathematics I MA1506 Mathematics II CS1010E Programming Methodology EE1001 Emerging Technologies in Electrica EE1002 Introduction to Circuits and Syster < EG1108 Electrical Engineering (3 MCs) will be map streamed to EE in Year 2. See * note 1 below. > EE1003 Introduction to Signals and Comm ECE CORE MODULES: EE2020 Digital Fundamentals EE2021 Devices and Circuits	riting requirement, module type code 27/U9) _] in lieu of ES2331, module type code 01) EM A requirement separately. (3 MCs) n the New Economy (3 MCs) Sub-total –114 MCs (4 MCs) (4 MCs) (4 MCs) (4 MCs) al Engineering (4 MCs) ms (4 MCs) poped to EE1002 for those common engineering students who are nunications (4 MCs) (5 MCs) (4 MCs) (4 MCs) (4 MCs) (4 MCs) (4 MCs)			

ECE Dept: As at 22 July 2016 (with summary) - AY2014 Poly intake (v3)

EE2031 Circuits & Systems Design Lab	(3 MCs)	
EE2032 Signals & Communications Design Lab	(3 MCs)	
EE2011 Engineering Electromagnetics	(4 MCs)	
EE2012 Analytical Methods in ECE	(4 MCs)	
PC2232 Physics for Electrical Engineers	(4 MCs)	
ECE CORE – PROJECTS:	(4 MC-)	
EE3031 Innovation & Enterprise I	(4 MCs)	
EE4001 B.Eng. Dissertation	(12 MCs)	
Industrial Attachment (IA): EG3601 Industrial Attachment Programme	(12 MCs)	
Note: Poly students do not need to go on IA. I fulfil bridging modules and technical elective(s)	In lieu of the 12 MC for IA, poly students must :	
 PC1222 + MA1301 + 1 technical outer core I 	breadth elective (4 MCs) / * EG3602 VIP (6 MCs)	
In lieu of MA1301, poly students take 1 technic if they do not need to take MA1301.	al breadth/depth elective from any concentration	
Note: PC1222 and MA1301 should be of modul	le type code 01, not U9, not 27.	
Minimum total of at least 22 MCs of Technica NOTE: at least 16 MCs of electives must be EExxxx . (a) Breadth (B) requirements	al electives as follows:	
 NOTE: at least 16 MCs of electives must be EExxxx. (a) Breadth (B) requirements at least 2 technical outer core breadth election 	al electives as follows: tives from 2 <i>different</i> outer core concentrations	
NOTE: at least 16 MCs of electives must be EExxxx. (a) Breadth (B) requirements	tives from 2 <i>different</i> outer core concentrations	
 NOTE: at least 16 MCs of electives must be EExxxx. (a) Breadth (B) requirements at least 2 technical outer core breadth election (b) Depth (D) requirements at least 2 technical depth electives from area 	tives from 2 <u>different</u> outer core concentrations by concentration ast 1 technical outer core breadth elective and 1	
 NOTE: at least 16 MCs of electives must be EExxxx. (a) Breadth (B) requirements at least 2 technical outer core breadth election (b) Depth (D) requirements at least 2 technical depth electives from are (c) ◇ TWO technical electives consisting: At least 	tives from 2 <u>different</u> outer core concentrations by concentration ast 1 technical outer core breadth elective and 1	
 NOTE: at least 16 MCs of electives must be EExxxx. (a) Breadth (B) requirements at least 2 technical outer core breadth electives (b) Depth (D) requirements at least 2 technical depth electives from <u>ar</u> (c) ◇ TWO technical electives consisting: At least technical breadth/depth elective from <u>ar</u> 	tives from 2 <u>different</u> outer core concentrations by concentration ast 1 technical outer core breadth elective and 1	
 NOTE: at least 16 MCs of electives must be EExxxx. (a) Breadth (B) requirements at least 2 technical outer core breadth electives (b) Depth (D) requirements at least 2 technical depth electives from <u>ar</u> (c) ♦ TWO technical electives consisting: At least technical breadth/depth elective from <u>ar</u> ♦ EE3032 (6 MCs) ; 	tives from 2 <u>different</u> outer core concentrations by concentration ast 1 technical outer core breadth elective and 1	
 NOTE: at least 16 MCs of electives must be EExxxx. (a) Breadth (B) requirements at least 2 technical outer core breadth electives (b) Depth (D) requirements at least 2 technical depth electives from <u>ar</u> (c) ◇ TWO technical electives consisting: At least technical breadth/depth elective from <u>ar</u> 	tives from 2 <u>different</u> outer core concentrations by concentration ast 1 technical outer core breadth elective and 1	
 NOTE: at least 16 MCs of electives must be EExxxx. (a) Breadth (B) requirements at least 2 technical outer core breadth electives (b) Depth (D) requirements at least 2 technical depth electives from <u>ar</u> (c) ♦ TWO technical electives consisting: At least technical breadth/depth elective from <u>ar</u> ♦ EE3032 (6 MCs) ; 	tives from 2 <u>different</u> outer core concentrations by concentration ast 1 technical outer core breadth elective and 1 by concentration);	
 NOTE: at least 16 MCs of electives must be EExxxx. (a) Breadth (B) requirements at least 2 technical outer core breadth electives (b) Depth (D) requirements at least 2 technical depth electives from and (c) TWO technical electives consisting: At least technical breadth/depth elective from and or EE3032 (6 MCs) ; or 1 technical Breadth/Depth Tech elective if already taken * EG3602 VIP (6 MCs) 	tives from 2 <u>different</u> outer core concentrations by concentration ast 1 technical outer core breadth elective and 1 by concentration);	
 NOTE: at least 16 MCs of electives must be EExxxx. (a) Breadth (B) requirements at least 2 technical outer core breadth electives (b) Depth (D) requirements at least 2 technical depth electives from and at least 2 technical electives consisting: At least technical breadth/depth elective from and or EE3032 (6 MCs) ; or 1 technical Breadth/Depth Tech elective if already taken * EG3602 VIP (6 MCs) 	tives from 2 <u>different</u> outer core concentrations ave concentration ast 1 technical outer core breadth elective and 1 ave concentration); from <u>any</u> concentration in lieu of IA east 22 MCs. If not, student has to take more technical fferent outer core concentrations ;	
 NOTE: at least 16 MCs of electives must be EExxxx. (a) Breadth (B) requirements at least 2 technical outer core breadth elective (b) Depth (D) requirements at least 2 technical depth electives from are at least 2 technical electives consisting: At least technical breadth/depth elective from are Or EE3032 (6 MCs) ; Or 1 technical Breadth/Depth Tech elective if already taken * EG3602 VIP (6 MCs) Note: 1. All technical electives must add up to at least electives to make up to 22 MCs. E.g 1: 4B + 2D : Student takes – EE3131C and EE3408C to fulfil the 2B from 2 different election election EE3204 to fulfil the 1B/D from any concentration EE3331C to add up to at least 22 MCs; 	tives from 2 <u>different</u> outer core concentrations ave concentration ast 1 technical outer core breadth elective and 1 ave concentration); from <u>any</u> concentration in lieu of IA east 22 MCs. If not, student has to take more technical fferent outer core concentrations ;	
 NOTE: at least 16 MCs of electives must be EExxxx. (a) Breadth (B) requirements at least 2 technical outer core breadth elective (b) Depth (D) requirements at least 2 technical depth electives from are at least 2 technical electives consisting: At least technical breadth/depth elective from are Or EE3032 (6 MCs) ; Or EE3032 (6 MCs) ; Or 1 technical Breadth/Depth Tech elective if already taken * EG3602 VIP (6 MCs) Note: 1. All technical electives must add up to at least electives to make up to 22 MCs. E.g 1: 4B + 2D : Student takes – EE3131C and EE3408C to fulfil the 2B from 2 different outer EE3331C to add up to at least 22 MCs; E.g 2: 3B + 3D : Student takes – EE3431C and EE3731C from 2 different outer EE4101 and EE4331 to fulfil 2D from any conc; 	tives from 2 <i>different</i> outer core concentrations Ty concentration ast 1 technical outer core breadth elective and 1 Ty concentration); from <u>any</u> concentration in lieu of IA east 22 MCs. If not, student has to take more technical fferent outer core concentrations; n. core concentrations;	
 NOTE: at least 16 MCs of electives must be EExxxx. (a) Breadth (B) requirements at least 2 technical outer core breadth elective (b) Depth (D) requirements at least 2 technical depth electives from are (c) TWO technical electives consisting: At least technical breadth/depth elective from are Or EE3032 (6 MCs) ; Or 1 technical Breadth/Depth Tech elective if already taken * EG3602 VIP (6 MCs) Note: 1. All technical electives must add up to at least electives to make up to 22 MCs. E.g 1: 4B + 2D : Student takes – EE3131C and EE3408C to fulfil the 2B from 2 different outer E3331C to add up to at least 22 MCs; E.g 2: 3B + 3D : Student takes – EE3431C and EE3731C from 2 different outer 	tives from 2 <i>different</i> outer core concentrations Ty concentration ast 1 technical outer core breadth elective and 1 Ty concentration); from <u>any</u> concentration in lieu of IA east 22 MCs. If not, student has to take more technical fferent outer core concentrations; n. core concentrations;	
 NOTE: at least 16 MCs of electives must be EExxxx. (a) Breadth (B) requirements at least 2 technical outer core breadth electives (b) Depth (D) requirements at least 2 technical depth electives from are (c) TWO technical electives consisting: At least technical breadth/depth elective from are Or EE3032 (6 MCs) ; Or 1 technical Breadth/Depth Tech elective if already taken * EG3602 VIP (6 MCs) Note: 1. All technical electives must add up to at least electives to make up to 22 MCs. E.g 1: 4B + 2D : Student takes – EE3131C and EE3408C to fulfil the 2B from 2 different outer EE3131C to add up to at least 22 MCs; E.g 2: 3B + 3D : Student takes – EE3431C and EE3731C from 2 different outer EE4101 and EE4331 to fulfil 2D from any conc; EE3431C and EE3731C from 2 different outer EE4101 and EE4331 to fulfil 2D from any conc; EE3431C and EE3731C from 2 different outer EE4101 and EE4331 to fulfil 2D from any conc; EE3431C and EE3731C from 2 different outer EE4101 and EE4331 to fulfil 2D from any conc; EE4218 to fulfil the 1B/D. 	tives from 2 <i>different</i> outer core concentrations ary concentration ast 1 technical outer core breadth elective and 1 ary concentration); from <i>any</i> concentration in lieu of IA east 22 MCs. If not, student has to take more technical fferent outer core concentrations;	

Page 3

5.	A technical breadth elective is EExxxx but it is <u>not</u> a technical outer core breadth elective. Refer to latest list of ECE Master list of Technical electives at ECE Year 3 & 4 website <u>https://www.ece.nus.edu.sg/intranet/Students/</u>		
	Have I fulfilled all requirements to graduate?	160 (min) 162	

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Note: The above curriculum information may be subjected to further revisions by ECE Dept.

Other information:

1. * EG1108 Electrical Engineering (3 MC) to be mapped to EE1002 Introduction to Circuits & Systems (4 MC)

This is applicable to common engineering students (of AY2014 intake) who are <u>streamed to EE in Year 2</u> and taken EG1108 (3 MCs) mapped to EE1002 (4 MCs) who will need to make up for the shortage of 1 MC due to the mapping, with additional ULR/UEM modules, i.e. they need to fulfil 21 MCs of ULR or 17 MCs of UEM.

2. 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.) <u>http://www.eng.nus.edu.sg/ugrad/SI_faq.html#A9</u>

What will happen to the extra MCs if I read more than the allowed number of level 1000 modules? These extra MCs will not be counted towards the total number of MCs required for graduation. However, they will still be counted towards the computation of CAP.

3. S/U Option / Grade-free semester for AY2014 intake:

Please refer to the following links for more information on S/U Option: <u>http://www.eng.nus.edu.sg/ugrad/SI_su_policies2014.html</u> and <u>https://share.nus.edu.sg/registrar/student/info/SU-FAQ-fromAY2004.pdf</u>

4. Exemptions for Poly graduates of intakes AY2014/15 admitted into EE :

Poly graduates admitted into the EE in AY2014/15 will follow AY2014/2015 EE curricula.

They may be eligible for the following exemptions (up to 40 MCs) from the following list, depending on the Diploma from the polytechnics.

Plse refer to http://www.ece.nus.edu.sg/intranet/Students/Year2/Poly%20Exemptions_AY1415%20intake_4%20July%202014.pdf

•	University Level Requirements (up to 8MCs) 1 GEM (Module code GXK1999 under Subject Group B: Humanities and Social Science) 1 Breadth (ULR) module	4 MCs 4 MCs
•	Unrestricted Elective Modules (UEMs up to 12MCs)	

•	Faculty/Programme Requirements (up to 20M	1Cs)	
	ES2331 Communicating Engineering		4 MCs
	HR2002 Understanding Human Relations in the New	Economy	3 MCs
	EE1002 Introduction to Circuits and Systems	4 MCs (exempted for	some diplomas, refer to above link for more info)

5. Module Type Code:

11	Technical/Program Essential	A9	GEM A: SCIENCE AND TECHNOLOGY MODULE
12	Technical /Program Elective	B9	GEM B: HUMANITIES AND SOCIAL SCIENCES MODULE
14	Supportive Essential	C9	GEM A (SCI. & TECH.) & GEM B (HUMANITIES & SOC SCI.)
17	MINOR/MAJOR MODULE TO BE COMPUTED IN CAP	S9	SINGAPORE STUDIES MODULE
27	UEM (UNRESTRICTED ELECTIVE OUTSIDE MAJOR)	MB	DOUBLE COUNT (MINOR/MAJOR & ULR BREADTH)
U9	ULR BREADTH (ELECTIVES OUTSIDE STUDENT'S	ME	DOUBLE COUNT (MINOR/MAJOR & TECHNICAL
	FACULTY)		ELECTIVE)
		MU	DOUBLE COUNT (MINOR & UEM)

For conversion of module type code, please refer to http://www.eng.nus.edu.sg/ugrad/SI Module declaration.html

6. Useful links for students residing at U-Town/Ridge View:

- College of Alice & Peter Tan <u>http://capt.nus.edu.sg/academic-programme/overview http://capt.nus.edu.sg/academic-programme/college-modules</u> Email contact: <u>captbox2@nus.edu.sg</u>
- Tembusu College <u>http://tembusu.nus.edu.sg/education/index.php</u> Email contact : <u>tembusu-modules@nus.edu.sg</u>
- Ridge View Residential College: <u>http://www.rvrc.nus.edu.sg/programme-Overview.html</u> Email contact: <u>rvrc@nus.edu.sg</u>

7. SUMMARY of options for IA in-lieu and ECE Tech elective requirements:

For students of AY2014/2015 Poly intake:

Industrial Attachment (IA):

EG3601 Industrial Attachment Programme (12 MCs)

Note: Poly students do not need to go on IA. In lieu of the 12 MC for IA, poly students must fulfil bridging modules and technical elective(s):

PC1222 + (MA1301/ one B/D) + *(1 technical outer core breadth elective (4 MCs)/ EG3602 VIP (6 MCs))

SUMMARY of OPTIONS for IA in-lieu and ECE Tech elective requirements:

Option 1:

- Take PC1222 (4MC) + MA1301 (4MC) + VIP (6MC)/EE3032 (6 MC)
- \Rightarrow Take 5 Tech electives = 2 outer core + 2 depth T.E + 1 B/D to fulfil ECE Technical Electives rule.

□ Option 2:

- Take PC1222 (4MC) + MA1301 (4MC) + VIP (6MC) + EE3032 (6 MC)
- \Rightarrow Take 4 Tech electives = 2 outer core + 2 depth T.E to fulfil ECE Technical Electives rule.
- □ Option 3: No VIP
 - Take PC1222 (4MC) + MA1301 (4MC) + *1 outer core (4MC)
 - ⇒ Take 7 Tech electives (inclusive*) in total = 4 outer core + 2 depth T.E + 1 B/D to fulfil ECE Technical Electives rule.

Option 4 : No MA1301 but with VIP

- Take PC1222 (4MC) + VIP (6MC) + *1 B/D (4MC)
- ⇒ Take 6 Tech electives (inclusive*) in total = 2 outer core + 2 depth T.E + 2 B/D to fulfil ECE Technical Electives rule.
- Option 5 : No MA1301 but with VIP and with EE3032
 - Take PC1222 (4MC) + VIP (6MC) + EE3032 (6 MC)
 - \Rightarrow Take 5 Tech electives = 2 outer core + 2 depth T.E + 1 B/D to fulfil ECE Technical Electives rule.
- Option 6 : No MA1301 and No VIP
 - Take PC1222 (4MC) + [#]1B/D (4 MC) + [#]1 outer core (4 MC)
 - ⇒ Take 8 Tech electives (inclusive[#]) in total = 4 outer core + 2 depth T.E + 2 B/D to fulfil ECE Technical Electives rule.

Legend for ECE Technical Electives (T.E):

- **Outer core:** Outer core Breadth Technical Elective E.g EE3xxxC
- **B**: Breadth Technical Elective E.g. EE3xxxC, EE3xxx
- **D**: Depth Technical Elective E.g. EE4xxx