## **EE Study Plan**

A Math & Science    Calculus I (differential)			Required		Electives	
Science	A	Math &	Calculus I (differential)	4	Two (or three) math	3-4
Multidimensional Calculus   A			,	4	, ,	
Diff. Equations + Linear Algebra or Differential Equations   Linear Algebra   3-4   Math or Physics   Linear Algebra   3-4   Linear Algebra   Math or Physics   Linear Algebra   4   L			, ,			
NYU ≥ 24   ABET (A) + NYU (B) ≥ 54 ; NYS Requirement A+B ≥ 60 ; We have ≥60						
Linear Algebra   Probability   Physics I (Mechanics)   Physics I (Mechanics)   Physics I (Mechanics)   Physics I (Electricity & Magnetism)   4   Expos I: Writing Essay   4   HUSS Elective   4   HUSS Elec			1			
Probability			•		1	
Physics I (Mechanics)					1	
Physics II (Electricity & Magnetism)						
B   Humanities   Expos I: Writing Essay   4   HUSS Elective   5   Elections   Economics and Ethics					_	6-10
B Humanities Expos I: Writing Essay Expos II: Advanced Electives (Suggestions: Economics and Ethics)    NYU ≥ 24						
Expos II: Advanced Writing Essay    A	Г.					4
Total 8 HUSS Elective 4 HUSS Elective 4 HUSS Elective 4 HUSS Elective 4 HUSS Elective 6 HUSS Elective 7 HUSS Elective 8 HUSS Elective 9 HUSS	В	Humanities				
NYU ≥ 24			Expos II: Advanced Writing Essay	4		
NYU ≥ 24			•			
NYU ≥ 24   NYU   Requirement   Rethics   NYS   Requirement   Rethics   NYU   Requirement   NYU			Total	8		4
NYU ≥ 24   NYU (B) ≥ 54 ; NYS Requirement A+B ≥ 60 ; We have ≥60						
NYU ≥ 24   NYS Requirement						
ABET (A) + NYU (B) ≥ 54 ; NYS Requirement A+B ≥ 60 ; We have ≥60		NIVIUS 64			′	4.0
C ECE/CS Intro to ECE EG: Eng. Design & Technology Freshman Forum Professional Development 2 One ECE/CS (if needed) 3-4   Circuits Electronics 1 EM Waves Signals and Systems Digital Logic Programing I: CS 1114 Programing II: CS 1134 or CS 2163 3-4 Required 34-35 4 Programing II: CS 1134 or CS 2163 3-4 Required 34-35 8 Restricted Electives (pick 2 of 5) Electronics II (4) Energy Conversion (4) Communications (4) Feedback (4) Embedded Systems (4) 8 Total 42-43 Total ≥4   ABET ≥ 45 Advanced courses: take an EE specialization, graduate courses, etc. (suggested) graduate courses, etc. (Minors: business, cyber security, robotics, bio, etc. Research: internships, VIP, etc. Free Electives DP1 (3) or VIP (3) DP2 (3) Thesis, etc. Electives (5) Electives (6) El	4 T		u (D) > 74	N D > 6		
EG: Eng. Design & Technology Freshman Forum Professional Development    Circuits   4     Electronics 1   4     EM Waves   4     Signals and Systems   4     Digital Logic   Programing II: CS 1114     Programing II: CS 1134 or CS 2163   3-4     Restricted Electives (pick 2 of 5)   8     Electronics II (4)   Energy Conversion (4)     Communications (4)   Feedback (4)     Embedded Systems (4)   Embedded Systems (4)     D Free   Electives (siuggested)   Free   Advanced courses: take an EE specialization     Electives (suggested)   Free   Advanced courses; take an EE specialization     Electives (suggested)   Free   Advanced courses; take an EE specialization     Electives (suggested)   Free   Advanced courses; take an EE specialization     Electives (suggested)   Free   Advanced courses; take an EE specialization     Electives (suggested)   Free   Advanced courses; take an EE specialization     Electives (suggested)   Free   Advanced courses; take an EE specialization     Electives (suggested)   Free   Advanced courses; take an EE specialization     Electives (suggested)   Free Electives     DP1 (3) or VIP (3)     DP2 (3)     Thesis, etc.     Electives (Flectives					· · · · · · · · · · · · · · · · · · ·	
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Professional Development   1					O EGE/GG	2.4
Circuits Electronics 1 EM Waves Signals and Systems Digital Logic Programing I: CS 1114 Programing II: CS 1134 or CS 2163 Required 34-35  Restricted Electives (pick 2 of 5) Electronics II (4) Energy Conversion (4) Communications (4) Feedback (4) Embedded Systems (4)  Total 42-43  ABET ≥ 45  Advanced courses: take an EE specialization, graduate courses, etc. (suggested)  ABET (no restrictions)  E Design ABET (no restrictions)  ABET (no restrictions)  Circuits  4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4						3-4
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