EE Study Plan

		Required		Electives	
A	Math & Science **ABET ≥ 30**	Calculus I (differential) Calculus II (integral) Multidimensional Calculus Diff. Equations + Linear Algebra or Differential Equations Linear Algebra Probability Physics I (Mechanics) Physics II (Electricity & Magnetism) **Total**	4 4 4 4 3-4 3-4 3 3 4 **26-30**	Two (or three) math and science electives. Suggestions: advanced courses in Math or Physics. Alternatively: Biology, Chemistry, Computer Science, etc. **Total** **Math & Science ≥36**	3-4 3-4 3-4 **6-10**
B	Humanities **NYU ≥ 24**	Expos I: Writing Essay Expos II: Advanced Writing Essay **Total**	4 4 **8**	HUSS Elective HUSS Elective HUSS Elective HUSS Elective (Suggestions: Economics and Ethics) **Total**	4 4 4 4 **16**
ABET (A) + NYU (B) ≥ 54 ; NYS Requirement A+B ≥ 60 ; We have ≥60					
C	ECE/CS	Intro to ECE EG: Eng. Design & Technology Freshman Forum Professional Development Circuits Electronics 1 EM Waves Signals and Systems Digital Logic Programing I: CS 1114 Programing II: CS 1134 or CS 2163 **Required** Restricted Electives (pick 2 of 5) Electronics II (4) Energy Conversion (4) Communications (4) Feedback (4) Embedded Systems (4) **Total**	2 3 1 1 4 4 4 4 4 4 3-4 **34-35** 8 **42-43**	One ECE One ECE/CS (if needed) **Total**	3-4 3-4 **≥4**
ABET ≥ 45				**We have C≥47**	
D	Free Electives (suggested)	Advanced courses: take an EE specialization, graduate courses, etc. Minors: business, cyber security, robotics, bio, etc. Research: internships, VIP, etc.		**Free Electives**	**≥15**
E	Design **ABET (no restrictions)**			DP1 (3) or VIP (3) DP2 (3) Thesis, etc. **Electives**	 **6**
Total number of credits ≥ 128					