

Roadmaps for BE SB for Class of 2009

- 1 – Mainstream version (assumes no AP credit)**
- 2 – Early completion of 7.03**
- 3 – Early Completion of 5.12**

Key Curriculum Changes between Class of 2009 and Class of 2008

New Requirement/Cancelled Subjects: 6.00 “Introduction to Computer Science and Programming” (new requirement) replaces 20.180/20.181 (both of which are now cancelled). 6.00 must be taken in Spring, 2007 and will be taught then by Prof. John Guttag (EECS) and Prof. Ernest Fraenkel (BE) with BE recitation sections. The subject 6.00 assumes no prior programming experience and is taught in the Python language. While it is recommended that you take 6.00, we will accept 6.001 (Scheme-based) or 1.00 (Java-based) on petition. We recommend that you ask in advance if you want to make such a substitution. The subject 20.320 presumes a facility with the Python programming language.

Subjects with units, pre-requisite, and roadmap slot changes: 20.310 will be taught in spring (was fall) and will be taken spring of 2008 for the Class of 2009. 20.320 is now in the fall and is a 12-unit junior subject rather than a 9-unit sophomore subject, and requires biochemistry (5.07 or 7.05) as either a pre-req or co-req (new) and 6.00 as a pre-req (new); it retains 20.110 as a pre-req. 20.109 will be offered in both spring and fall, and we anticipate that some sophomores in the Class of 2009 will be lotteried to the fall term offering (some have requested to take it in the fall). 20.309 will be offered in fall and spring. 20.330 has been changed from a 15-unit subject to a 12-unit subject.

Additional Options for Class of 2010

We anticipate that both 6.00 and 7.03 will be offered in fall and spring terms starting in Fall, 2007. Thus, the Class of 2010 may take 6.00 in freshman year, or fall *or* spring term of sophomore year. The subject 20.310 may be taken in either spring term sophomore year *or* spring term junior year.

BE 2009 Transition Roadmap – Regular Mainstream
BE Dept Required subjects are shown in Bold

	FALL	SPRING
Year 1	8.01 (12)	7.01x (12)
	5.111/3.091 (12)	8.02 (12)
	18.01 (12)	18.02 (12)
	HASS (12 CIH)	Elective (12)
Year 2	20.110 (12)	<u>6.00 (12)</u>
	18.03 (12)	<u>20.109 (15 CIM)</u>
	Elective (12)	5.12 (12)
	HASS (12CIH)	HASS (12)
		Elective (6)
Year 3	<u>7.03/20.113 (12)</u>	<u>20.330 (12)</u>
	<u>20.320 (12)</u>	7.06 (12)
	5.07 (12)	<u>20.310 (12)</u>
	HASS (12)	HASS (12)
		Elective (6)
Year 4	20.309 (12)	20.380 (15 CIM)
	20.Elective (12)	20.Elective (12)
	Elective (12)	HASS (12)
	HASS (12)	HASS (12)

BE Class of 2009 Transition Map – early 7.03
BE Dept Required subjects are shown in Bold

	FALL	SPRING
Year 1	8.01 (12) 5.111/3.091 (12) 18.01(12) HASS (12 CIH)	7.01x (12) 8.02 (12) 18.02 (12) Elective (12)
Year 2	20.110 (12) 18.03 (12) 7.03 (12) HASS (12CIH)	<u>6.00</u> (12) elective/ 20.109 5.12 (12) HASS (12) Elective (6)
Year 3	<u>20.109 (15 CIM)/elective</u> <u>20.320</u> (12) 5.07 (12) HASS (12)	<u>20.330</u> (12) 7.06 (12) <u>20.310</u> (12) HASS (12) Elective (6)
Year 4	20.309 (12) 20.Elective (12) Elective (12) HASS (12)	20.380 (15 CIM) 20.Elective (12) HASS (12) HASS (12)

BE Class of 2009 Transition Map – early 5.12
BE Dept Required subjects are shown in Bold

	FALL	SPRING
Year 1	8.01 (12) 5.111/3.091 (12) 18.01(12) HASS (12 CIH)	7.01x (12) 8.02 (12) 18.02 (12) Elective (12)
Year 2	20.110 (12) 18.03 (12) 5.12 (12) HASS (12CIH)	<u>6.00</u> (12) elective/ 20.109 7.05 (12) HASS (12) Elective (6)
Year 3	<u>20.109 (15 CIM)/elective</u> <u>20.320</u> (12) 7.03 (12) HASS (12)	<u>20.330</u> (12) 7.06 (12) <u>20.310</u> (12) HASS (12) Elective (6)
Year 4	20.309 (12) 20.Elective (12) Elective (12) HASS (12)	20.380 (15 CIM) 20.Elective (12) HASS (12) HASS (12)