

NUCLEAR ENGINEERING CURRICULUM FLOWCHART

FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
MATH 1A 4	MATH 1B 4	MATH 53 4	MATH 54 4	ENGIN 40 4	NUC ENG 104 4	TECH ELEC 3 OR 4	NUC ENG 170A 3
CHEM 1A + 1AL 5	PHYSICS 7A 4	PHYSICS 7B 4	PHYSICS 7C 4	NUC ENG 100 3	NUC ENG 150 4	TECH ELEC 3 OR 4	TECH ELEC 3 OR 4
NUC ENG 10 1	ENGIN 7 4	MAT SCI 45 + 45L 4	ELECTRONIC ELEC 3 OR 4	NUC ENG 101 4	TECH ELEC 3 OR 4	TECH ELEC 3 OR 4	TECH ELEC 3 OR 4
H/SS 3 OR 4				STAT/DATA ELEC 3-8		TECH ELEC 3 OR 4	TECH ELEC 3 OR 4
R&C A 4 OR 5	R&C B 4	H/SS 3 OR 4	H/SS UPPER DIV 3 OR 4		H/SS UPPER DIV (ETHICS) 3 OR 4		

<p>ELECTRONIC CIRCUITS ELECTIVE</p> <p>Choose from: EECS 16A ENGIN 11 MEC ENG 100 PHYSICS 111A</p>	<p>STATISTICS/DATA ANALYSIS ELECTIVE</p> <p>Choose from: ENGIN 178 DATA/COMPSCI/STAT C8 + DATA 88 Connector (must take both) DATA/COMPSCI/STAT C100 DATA/STAT C140 EECS 126 IND ENG 172 STAT 133 STAT 134</p>	<p>ETHICS COURSE OPTIONS</p> <p>This may be fulfilled within the Humanities/Social Sciences requirement by taking one of the following courses:</p> <p>ANTHRO 156B BIOENG 100 ENGIN 125; 157AC, 185 ESPM 161, 162 GEOG 31 IAS 157AC ISF 100E L&S 160B PHILOS 2, 104, 107 SOCIOL 116</p>	<p>TECHNICAL ELECTIVE NOTES</p> <p>Students must complete 29 technical elective units which must include at least 17 units of upper division nuclear engineering courses. The remaining 12 technical elective units must be fulfilled by taking courses in engineering and science, of which a minimum of 9 units must be upper division. Students must consult with and obtain approval from their faculty adviser no later than the fall semester of their junior year for their choices of technical elective courses.</p> <p>More details and restrictions can be found at https://engineering.berkeley.edu/students/undergraduate-guide/degree-requirements/major-programs/nuclear-engineering/</p>
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COURSE # → = PREREQ
OF UNITS → = COREQ

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COURSE PREREQUISITES COURSE SEQUENCING MATTERS!

CHEM 1A	High school chemistry recommended
ENGIN 7	MATH 1B (may be taken concurrently)
ENGIN 40	PHYSICS 7B and MATH 54. CHEM 1B recommended
MAT SCI 45	Students should have completed high school AP or honors chemistry and physics
MATH 1A	3.5 years of high school math, including trigonometry and analytic geometry. Students with HS exam credits (such as AP credit) should consider choosing a course more advanced than 1A
MATH 1B	MATH 1A or MATH N1A
MATH 53	MATH 1B or MATH N1B
MATH 54	MATH 1B, MATH N1B, MATH 10B, or MATH N10B
NUC ENG 100	PHYSICS 7A, PHYSICS 7B, and MATH 53
NUC ENG 101	PHYSICS 7C
NUC ENG 104	NUC ENG 101 or consent of instructor; NUC ENG 150 recommended
NUC ENG 150	MATH 53, MATH 54, and NUC ENG 100
NUC ENG 170A	Senior standing or consent of instructor
PHYSICS 7A	High school physics; MATH 1A; MATH 1B (which may be taken concurrently)
PHYSICS 7B	PHYSICS 7A; MATH 1A; MATH 1B; MATH 53 (may be taken concurrently)
PHYSICS 7C	PHYSICS 7A; PHYSICS 7B; MATH 1A; MATH 1B; MATH 53; MATH 54 (may be taken concurrently)

Please note that the most current prerequisite information can always be found in the UC Berkeley Course Catalog: <https://guide.berkeley.edu/courses/>.