

Major Academic Plan (MAP)—Electrical Engineering

Academic Credit Hours

Freshman

Fall	LDRS 101 (1)	MATH 131 (4)	ELEC 106 (3)	HIST 103 (Western Civ.) (3)			ENGL 101 (Must Pass with "C" or Higher)(3)	RPED 250 (2)	ROTC + (Basic)	14
Spring	LDRS 111 (0)	MATH 132 (4)	ELEC 206 (3)	HIST 104 (Western Civ.) (3)	Social ++ Science Core Course (3)		ENGL 102 (3)	RPED 251 (2)	ROTC + (Basic)	<u>16</u> 30

Sophomore

Fall	LDRS 201 Class (1)	MATH 231 (4)	ELEC 201 (3)	ELEC 311 (3)	PHYS 221 (3)	PHYS 271 Lab (1)	ENGL 201 or 260 (3)	RPED	ROTC + (Basic)	18
Spring	LDRS 211 (0) Fall or Spring	MATH 234 (4)	ELEC 202 (3)	ELEC 204 Lab (1)	ELEC 330 (3)	PHYS 222 (3) PHYS 272 Lab (1)	ENGL Engl./Amer./ World Lit.(3)	RPED	ROTC + (Basic)	<u>18</u> 36

Junior

Fall	LDRS 311 (0)	MATH 335 (3)	ELEC 306 (3)	ELEC 309 (3)	ELEC 313 (1)	CIVL 314 (2)	++Approved Science (3)	++Approved Science Lab (1)	ROTC + (Advanced)	16
Spring		ELEC 312 (3)	ELEC 316 (3)	ELEC 302 Lab (1)	ELEC 318 (3)	Technical Elective (3)***	+++Approved Science (3)	+++Approved Science Lab (1)	ROTC + (Advanced)	<u>17</u> 33

Senior

Fall	LDRS 411 (0)	ELEC 421 (3)	ELEC 412 (3)	Approved Dept. Elective 4XX (3) *	Approved Dept. Elective 4XX (3) *	Non- Departmental Elective (3)**			ROTC + (Advanced)	15
Spring		ELEC 422 (3)	Approved Departmental Elective 4XX (3)*	Approved Departmental Elective 4XX (3)*	Approved Departmental Elective 4XX (3)*				ROTC + (Advanced)	<u>12</u> 27

Updated 20 JUN 2016

TOTAL 126

*APPROVED DEPARTMENT ELECTIVES must be selected from among the following courses:
ELEC 307,401,403, 405, 407, 413 414, 415, 416, 418, 419, 423, 424, 425, 426, 427,428 and CSCI 420.

**Advanced humanities or social science course.

***Technical Electives: *Optics* (PHYS 308), *Thermodynamics* (PHYS 410), *Statics and Mechanics of Materials For Non-Civil Engineers*, (CIVL 310); *Data Structures*, (CSCI 223),

Engineering Management, (CIVL 411), *Deterministic Methods of Operational Research*, (MATH 381), *Mathematical Models and Applications*, (MATH 470).

++ CHEM 151/152, BIOL 101/111, or BIOL 150/151

Required hours for graduation are 126 plus the credit hours from successful completion of RPED 250, 251 and all required ROTC courses. Credit hours for RPED 250/251 do not count for the 126 required hours for graduation

+ROTC hours (credit, lecture, and/or lab) may vary each semester by military department; however, the total hours which may be applied toward graduation requirements may not exceed 16 semester hours.

+++ CHEM 161/162, BIOL 102/112, or CHEM 140/141