

2025-2026		Major Academic Plan (MAP) – Electrical Engineering						131 Academic Credit Hours + ROTC			
<b>Freshman</b>	Fall	LDRS 101 (1)	FSEM 101 (3)	FSWI 101 (3)	Freshman Math MATH 131 (4)		Freshmen Science CHEM 151/161 (4)	ENGR 101 (2)		ROTC* (Basic)	17
	Spring		RPED 260 (3)	ELEC 107 (3)	MATH 132 (4)		BIOL 105/115 or CHEM 152/162 (4)	ELEC 206 (3)		ROTC* (Basic)	<u>17</u> 34
<b>Sophomore</b>	Fall	LDRS 211	COMM 260 (3)	ELEC 201 (3) Quantitative Assessment I	MATH 231 (4)		Strand Science PHYS 221/271 (4)	ELEC 311 (3)		ROTC* (Basic)	17
	Spring		LDRS 202 (3)	ELEC 202 (3) Quantitative Assessment II	MATH 234 (4)	ELEC 330 (3)	PHYS 222/272 (4)	ELEC 204 Lab (1)	RPED	ROTC* (Basic)	<u>18</u> 35
<b>Junior</b>	Fall	LDRS 311	LDRS 371 <sup>1</sup> (3)	ELEC 306 (3)	MATH 335 (3)	ELEC 309 (3)	Tech Elective <sup>2</sup> (3)	ELEC 313 Lab (1)		ROTC* (Advanced)	16
	Spring		Strand 1 (3)	ELEC 312 (3)	ELEC 316 (3)	ELEC 318 (3)	PGMT 401 <sup>3</sup> (3)	ELEC 302 Lab (1)	RPED	ROTC* (Advanced)	<u>16</u> 32
<b>Senior</b>	Fall	LDRS 411	Strand 2 (3)	ELEC 421 (3)	ELEC 412 (3)	ELEC Elective <sup>4</sup> (3)	ELEC Elective <sup>4</sup> (3)			ROTC* (Advanced)	15
	Spring		Strand 3 (3)	Sr. Capstone ELEC 422 (3)	ELEC Elective <sup>4</sup> (3)	ELEC Elective <sup>4</sup> (3)	ELEC Elective <sup>4</sup> (3)			ROTC* (Advanced)	<u>15</u> 30
TOTAL											131

<sup>1</sup> All students take LDRS 371; non-contract students take LDRS 371 for ROTC fulfillment.

<sup>2</sup> ELEC 307, CIVL 202, 310; CSCI 223; MATH 343, 344, 381, 470, 490, MECH 315, 365; PHYS 308, 410.

<sup>3</sup> Non-contract students should take PGMT 401 for ROTC fulfillment.  
*PGMT 401 is not required for contract students.*

<sup>4</sup> ELEC 401, 403, 405, 407, 413, 414, 416, 418, 419, 423, 424, 425, 427, 430, 450; CSCI 370, 405, 420, 455; or other departmental elective approved by the department head.

Three Strand Courses are required and can be taken in any order: Strand History (HISS), English (ENGS), and Social Science (SCSS).

Required hours for graduation are 128 (131 only if a student takes PGMT 401 for ROTC fulfillment) plus the credit hours from successful completion of all required ROTC courses.

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