

2024-2025 **Major Academic Plan (MAP) – Electrical Engineering** 131 Academic Credit Hours + ROTC

Freshman	Fall	LDRS 101 (1)	Freshman Seminar (3)	Linked Composition (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

Sophomore	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

Junior	Fall	LDRS 311	LDRS 371 ¹ (3)	ELEC 306 (3)	MATH 335 (3)	ELEC 309 (3)	Tech Elective ² (3)	ELEC 313 Lab (1)		ROTC* (Advanced)	16
	Spring		Strand History (3)	ELEC 316 (3)	ELEC 318 (3)	ELEC 312 (3)	PGMT 401 ³ (3)	ELEC 302 Lab (1)	RPED	ROTC* (Advanced)	<u>16</u> 32

Senior	Fall	LDRS 411	Strand Soc. Sci. (3)	ELEC 421 (3)	ELEC 412 (3)	ELEC Elective ⁴ (3)	ELEC Elective ⁴ (3)			ROTC* (Advanced)	15
	Spring		Strand English (3)	Sr. Capstone ELEC 422 (3)	ELEC Elective ⁴ (3)	ELEC Elective ⁴ (3)	ELEC Elective ⁴ (3)			ROTC* (Advanced)	<u>15</u> 30

TOTAL 131

¹ All students take LDRS 371; non-contract students take LDRS 371 for ROTC fulfillment.
² CIVL 202, 310; CSCI 223; MATH 343, 344, 381, 470, 490, MECH 225, 365; PHYS 308, 410; or other technical course approved by the department head.
³ Non-contract students should take PGMT 401 for ROTC fulfillment. *PGMT 401 is not required for contract students.*
⁴ ELEC 307, 401, 403, 405, 407, 413, 414, 416, 418, 419, 423, 424, 427, 430, 450; CSCI 370, 405, 420, 455; or other departmental elective approved by the department head.

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.