



AS Mechanical Engineering Field of Study  
**Guided Pathway**  
 Effective beginning with the 2022-2023 catalog

**First Year - Collin College**

FIRST SEMESTER	SECOND SEMESTER
<sup>c</sup> ENGL 1301 Composition I	<sup>c</sup> ENGL 2311 Technical and Business Writing
<sup>c</sup> MATH 2413 Calculus I (* See note below)	<sup>c</sup> PHYS 2425 University Physics I
<sup>c</sup> Creative Arts OR Social/Behavioral Sciences (see lists below)	<sup>c</sup> MATH 2414 Calculus II
<sup>c</sup> HIST 1301 United States History I	<sup>c</sup> HIST 1302 US History II
<sup>c</sup> GOVT 2306 Texas Government	
16 credit hours	14 credit hours

**Second Year - Collin College**

FIRST SEMESTER	SECOND SEMESTER
<sup>c</sup> MATH 2415 Calculus III	<sup>c</sup> MATH 2320 Differential Equations
<sup>c</sup> PHYS 2426 University Physics II	ENGR 2305 Electrical Circuits 1
<sup>c</sup> GOVT 2305 Federal Government	ENGR 2332 Mechanics of Materials
ENGR 2301 Engineering Mechanics I	CHEM 1409 General Chemistry for Engineering Majors
	ENGR 2302 Engineering Mechanics II
14 credit hours	16 credit hours

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Contact your advisor at Collin College for information about applying for your associate degree.

<sup>c</sup> Core Curriculum transferrable to any public college or university in Texas.

**Collin Options:**

*\*Students should consult with an academic advisor since one or more mathematics courses may be required before enrolling in MATH 2413.*

Creative Arts – **ARTS** 1301, 1303, 1304, 1313, **DANC** 2303, **DRAM** 1310, 2361, 2362, 2366, **MUSI** 1306, 1307, 1310

Social/Behavioral Sciences – choose one from: **ANTH** 2302, 2346, 2351, **ECON** 1301, 2301, 2302, **PSYC** 2301, **SOCI** 1301, 1306