Bachelor of MECHANICAL ENGINEERING TECHNOLOGY (MET)

Updated July 2025

4-Year Recommended Course Sequence

Click on the Course Name to access the course description in the Undergraduate Catalog 24-25

Fall Semester 1	Spring Semester 2	Fall Semester 3	Spring Semester 4	Fall Semester 5	Spring Semester 6	Fall Semester 7	Spring Semester 8
☆INQ 170 [3] Engineering Launch	Society and Human Behavior Elective [3]	MET 201 [3] Statics for ET (MTH 149, PHY 221, INQ 170)	MET 202 [3] Dynamics for ET (MET 201)	MET 345 [3] Thermodynamics (PHY 221, *MTT 300)	MET 330 [3] Adv. Dynamics & Vibrations (MTH 149, MET 202)	MET 470 [1] Senior Design A (Senior Standing in MET)	MET 480 [3] Senior Design B (MET 470)
EET 205 [3] DC Circuits	PHY 221 [5] College Physics I (MTH 165 or MTH 167)	CHM 251 [3] College Chemistry I (MTH 149)	GET 315 [3] Advanced Program Methods	MET 320 [3] Adv. Mechanics of Materials (MTH 149 and MET 201)	MET 350 [3] Fluid Mechanics (MET 345, MTT 300, PHY 221)	MET 410 [3] Design of Machine Elements (MET 320, MTT 301)	GET 430 [3] Elect Power, Controls, Instruments (MTT 301 , EET 205)
MTH 148 [3] Math for Business Majors I	MTH 149 [4] Math for Business Majors II (MTH 165 or MTH 167)	CHM 256 [1] College Chemistry Lab I (MTH 149)	MCE 181 [2] Computer Aided Engineering Lab II (MCE 180)	MTT 300 [3] Applied Math (MTH 149)	MET 351 [1] Thermal Fluids Lab (MET 345 and *MET 350)	MET 411 [1] Design of Machine Elements Lab (MET 320 , MTT 301)	GET 431 [1] Elect Power, Controls, Instruments Lab (*GET 430)
ENG 100 [3] Intensive Writing or ENG 101 [3] College Writing I	ENG 108 [3] AI & Writing (Preferred) (ENG 101) OR ENG 102 [3] College Writing II (ENG 101)	MCE 180 [2] Computer Aided Eng. Lab I	American Civic Literacy Elective [3]	PHL 215 [3] Technology Ethics HCC Elective	MTT 301 [3] Advanced Applied Math (MTT 300)	MET 445 [3] Solid Modeling Applications (MCE 181, MET 320 and MET 350)	MET 450 [3] Mechanical System Design (MET 330, MET 410, MET 445)
GET 255 [3] Intro Robotics & Automated System	**ESC 130 [1] Engineering Co-op Orientation	GET 285 [3] Science of Alternative Energy	Human Culture & Creativity Elective [3]	Business Elective [3]	**Program Technical Elective [3]	MET 420 [3] Heat Transfer (MET 345, MET 350, MTT 301)	**Program Technical Elective [3]
		Global Human Perspectives Elective [3]			Complexities of Pluralistic Society Elective [3]	**Program Technical Elective [3]	Open Elective [3]
15 Total Credit Hours	15 Total Credit Hours	15 Total Credit Hours	14 Total Credit Hours	15 Total Credit Hours	16 Total Credit Hours	14 Total Credit Hours	16 Total Credit Hours

Total Credits for MET Degree: 120

(Prerequisites) • (*Pre/co-requisite) • [# of Course Credits] • MET XXX = Only Offered That Fall/Spring Semester

Required MET Courses. **ESC 130 is highly recommended, but not required
Required Science Courses
Required English Courses
Required Writing Across the Curriculum (WAC)

Required MET Electives ** 3 semesters of co-op can replace 1 elective
Required Math Courses
Core Curriculum Electives

EASILY EARN AN IST MINOR AS A MET MAJOR! CLICK HERE TO LEARN HOW

EASILY EARN AN OSM MINOR AS AN MET MAJOR! CLICK HERE TO LEARN HOW

☆ESC 120 Intro to Engineering Design can replace INQ 170 for transfer students and students who completed an inquiry launch course other than INQ 170. Neither course is required for transfer students with an Associates of Applied Science degree.

↓ Scroll Down to View the MET 5-Year Plan Degree Chart ↓

Updated July 2025

Bachelor of MECHANICAL ENGINEERING TECHNOLOGY (MET)

5-Year Recommended Course Sequence

CLICK HERE for Course Catalog Description

Fall Semester 1	Spring Semester 2	Fall Semester 3	Spring Semester 4	Fall Semester 5	Spring Semester 6	Fall Semester 7	Spring Semester 8	Fall Semester 9	Spring Semester 10
MCE 180 [2] Computer Aided Engineering Lab I	**MCE 181** [2] Computer Aided Engineering Lab II (MCE 180)	**GET 285** [3] Science of Alternative Energy	**GET 315** [3] Advanced Program Methods	**MET 201** [3] Statics for ET (MTH 149, PHY 221, INQ 170)	**MET 202** [3] Dynamics for ET (MET 201)	**MET 345** [3] Thermodynamics (PHY 221, *MTT 300)	**MET 330** [3] Adv. Dynamics & Vibrations (MTH 149, MET 202)	**MET 470** [1] Senior Design A (Senior Standing in MET)	**MET 480** [3] Senior Design B (MET 470)
☆**INQ 170** [3] Engineering Launch	**MTH 149** [4] Math for Business Majors II (MTH 165 or MTH 167)	**PHY 221** [5] College Physics I (MTH 165 or MTH 167)	**CHM 251** [3] College Chemistry 1 (MTH 149)	**MTT 300** [3] Applied Math (MTH 149)	**MTT 301** [3] Advanced Applied Math (MTT 300)	**MET 320** [3] Adv. Mechanics of Materials (MTH 149, MET 201)	**MET 350** [3] Fluid Mechanics (MET 345, MTT 300, PHY 221)	**MET 410** [3] Design of Machine Elements (MET 320, MTT 301)	**GET 430** [3] Elect Power, Cont, Instru (MTT 301, EET 205)
MTH 165 [3] Intensive Precalc I **OR** **MTH 167** [3] Precalculus I	**ENG 108** [3] AI & Writing (Preferred) (ENG 101) **OR** **ENG 102** College Writing II	**Global Human Perspectives Elective** [3]	**CHM 256** [1] College Chemistry 1 Lab (MTH 149)	**American Civic Literacy Elective** [3]	**PHL 215** [3] Technology Ethics **HCC Elective**	**Business Elective** [3]	**MET 351** [2] Thermal Fluids Lab (MET 345, *MET 350)	**MET 411** [1] Design of Machine Elements Lab (MET 320, MTT 301)	**GET 431** [1] Elect Power, Controls, Instrument Lab (*GET 430) (WAC)
ENG 100 [3] Intensive Writing **or** **ENG 101** [3] College Writing I	**Society and Human Behavior Elective** [3]	**Communications Elective** [3] (WAC)	****ESC 130** [1] Engineering Co-op Orientation	**Complexities of Pluralistic Society Elective** [3]	**General Elective Course** [3]	**IST 203** [3] Software Tools	**General Elective Course** [3]	**MET 420** [3] Heat Transfer (MET 345, MET 350, MTT 301)	**MET 494** [3] Advanced Topics in MET
GET 255 [3] Intro Robotics & Auto System							**MET 494** [3] Advanced Topics in MET	**MET 445** [3] Solid Modeling Applications (MCE 181, MET 320, MET 350)	**MET 494** [3] Advanced Topics in MET
								General Elective Course [3]	
13 Total Credit Hours	13 Total Credit Hours	14 Total Credit Hours	14 Total Credit Hours	12 Total Credit Hours	12 Total Credit Hours	12 Total Credit Hours	14 Total Credit Hours	14 Total Credit Hours	13 Total Credit Hours

Total Credits for MET Degree: 121 or 122 including ESC 130 Engineering Co-op Orientation

(Prerequisites) • (*Pre/co-requisite) • [# of Course Credits] • MET XXX = Only Offered That Fall/Spring Semester

Required MET Courses ****ESC 130** is highly recommended, but not required
Required Science Courses
Required English Courses (**ESC** 102 is preferred. However, can be substituted with **ENG** 102.)
Required Writing Across the Curriculum (WAC)

☆**ESC 120** Intro to Engineering Design can replace **INQ 170** for transfer students and students who completed an inquiry launch course other than INQ 170. Neither course is required for transfer students with an Associates of Applied Science degree.

Required MET Electives** **3 semesters of co-op can replace 1 elective**
Required Math Courses
Core Curriculum Electives

EASILY EARN AN IST MINOR AS A MET MAJOR! CLICK HERE TO LEARN HOW
EASILY EARN AN OSM MINOR AS AN MET MAJOR! CLICK HERE TO LEARN HOW