

Mechanical Engineering Technology
typical four-year plan for “calculus-ready” first-year student
“odd fall” start
69-71 program credits (120 overall credits minimum)

Important Note: Not every course will necessarily be offered as shown below – upper level courses are usually offered on an alternate year schedule. This is an **example only**. You **must** stay in contact with Engineering Technology advisors about current and upcoming courses for planning purposes.

Semester 1 – Fall 2017, 2019, 2021		Semester 2 – Spring 2018, 2020, 2022	
WBIS 188 or COMM 111	3 cr.	WBIS 188 or COMM 111	3 cr.
QUEST I (XC) (HU)	3 cr.	QUEST II (XS) (SS) (ES)	3 cr.
ENGR 101 Fund of Engineering Tech †	2 cr.	ENGR 116 Basic Manufact Processes	3 cr.
MATH 171 Calculus I (XM)	4 cr.	MATH 172 Calculus II (NS)	4 cr.
PHYS 109 General Physics I (XL) (NS)	5 cr.	PHYS 201 Statics	3 cr.
Total Credits	17 cr.	Total Credits	16 cr.

† check for possible Fall Interim offering

Semester 3 – Fall 2018, 2020, 2020		Semester 4 – Spring 2019, 2021, 2023	
QUEST III (XS) (SS) History	3 cr.	CONNECT: ENGL300	3 cr.
ENGR 105 Fundamentals of Drawing	3 cr.	(XC) (HU)	3 cr.
ENGR 220 Mechanics of Materials	3 cr.	ENGR 207 Parametric Modeling	3 cr.
ENGR 130 Basic Circuits I (XL) (NS)	4 cr.	ENGR 221 Machine Components	3 cr.
PHYS 202 Dynamics	3 cr.	ENGR 320 Motors & Drives (NS)	4 cr.
Total Credits	16 cr.	Total Credits	16 cr.

Semester 5 – Fall 2017, 2019, 2021		Semester 6 – Spring 2018, 2020, 2022	
(XS) (SS) (GC)	3 cr.	(XC) (HU) Literature	3 cr.
(XS) (SS)	3 cr.	ENGR 318 Fluid Dynamics	3 cr.
ENGR 118 Fluid Control	2 cr.	ENGR 335 Heat Transfer	3 cr.
ENGR 330 Thermodynamics	3 cr.	ENGR 360 Project Management	3 cr.
ENGR 342 Measure, Control & Data Acq	3 cr.	Elective	3 cr.
Total Credits	14 cr.	Total Credits	15 cr.

Semester 7 – Fall 2018, 2020, 2020		Semester 8 – Spring 2019, 2021, 2023	
(XC) (HU)	3 cr.	ENGR 390 Mechatronics	4 cr.
ENGR 322 Design Problems	3 cr.	Elective	3 cr.
ENGR 410 Capstone or 400 Internship	1-3 cr.	Elective	3 cr.
Elective	3 cr.	Upper Level Elective	3 cr.
Upper Level Elective	3 cr.		
Total Credits	15 cr.	Total Credits	13 cr.

Mechanical Engineering Technology
typical four-year plan for “calculus-ready” first-year student
“even fall” start
69-71 program credits (120 overall credits minimum)

Important Note: Not every course will necessarily be offered as shown below – upper level courses are usually offered on an alternate year schedule. This is an **example only**. You **must** stay in contact with Engineering Technology advisors about current and upcoming courses for planning purposes.

Semester 1 – Fall 2018, 2020, 2022		Semester 2 – Spring 2019, 2021, 2023	
WBIS 188 or COMM 111	3 cr.	WBIS 188 or COMM 111	3 cr.
QUEST I (XC) (HU)	3 cr.	QUEST II (XS) (SS) (ES)	3 cr.
ENGR 101 Fund of Engineering Tech †	2 cr.	ENGR 116 Basic Manufact Processes	3 cr.
MATH 171 Calculus I (XM)	4 cr.	MATH 172 Calculus II (NS)	4 cr.
PHYS 109 General Physics I (XL) (NS)	5 cr.	PHYS 201 Statics	3 cr.
Total Credits	17 cr.	Total Credits	16 cr.

† check for possible Fall Interim offering

Semester 3 – Fall 2017, 2019, 2021		Semester 4 – Spring 2018, 2020, 2022	
QUEST III (XS) (SS) History	3 cr.	CONNECT: ENGL300	3 cr.
ENGR 105 Fundamentals of Drawing	3 cr.	(XC) (HU)	3 cr.
ENGR 130 Basic Circuits I (XL) (NS)	4 cr.	ENGR 207 Parametric Modeling	3 cr.
PHYS 202 Dynamics	3 cr.	ENGR 360 Project Management	3 cr.
Elective	3 cr.	Elective	3 cr.
Total Credits	16 cr.	Total Credits	15 cr.

Semester 5 – Fall 2018, 2020, 2022		Semester 6 – Spring 2019, 2021, 2023	
(XS) (SS) (GC)	3 cr.	(XC) (HU) Literature	3 cr.
(XS) (SS)	3 cr.	ENGR 221 Machine Components	3 cr.
ENGR 118 Fluid Control	2 cr.	ENGR 320 Motors & Drives (NS)	4 cr.
ENGR 220 Mechanics of Materials	3 cr.	Elective	3 cr.
ENGR 322 Design Problems	3 cr.	Upper Level Elective	3 cr.
Total Credits	14 cr.	Total Credits	16 cr.

Semester 7 – Fall 2017, 2019, 2021		Semester 8 – Spring 2018, 2020, 2022	
(XC) (HU)	3 cr.	ENGR 318 Fluid Dynamics	4 cr.
ENGR 330 Thermodynamics	3 cr.	ENGR 335 Heat Transfer	3 cr.
ENGR 410 Capstone or 400 Internship	1-3 cr.	ENGR 390 Mechatronics	3 cr.
ENGR 342 Measure, Control & Data Acq	3 cr.	Elective	3 cr.
Upper Level Elective	3 cr.		
Total Credits	15 cr.	Total Credits	13 cr.

Mechanical Engineering Technology
typical four-year plan for “algebra-ready” first-year student
“odd fall” start
69-71 program credits (120 overall credits minimum)

Important Note: Not every course will necessarily be offered as shown below – upper level courses are usually offered on an alternate year schedule. This is an **example only**. You **must** stay in contact with Engineering Technology advisors about current and upcoming courses for planning purposes.

Semester 1 – Fall 2017, 2019, 2021		Semester 2 – Spring 2018, 2020, 2022	
WBIS 188 or COMM 111	3 cr.	WBIS 188 or COMM 111	3 cr.
QUEST I (XC) (HU)	3 cr.	QUEST II (XS) (SS) (ES)	3 cr.
ENGR 101 Fund of Engineering Tech †	2 cr.	ENGR 116 Basic Manufact Processes	3 cr.
MATH 104 College Algebra	3 cr.	MATH 106 Trigonometry	2 cr.
PHYS 107 General Physics I (XL)(NS) §	5 cr.	Elective	3 cr.
Total Credits	16 cr.	Total Credits	14 cr.

† check for possible Fall Interim offering
 § check with instructor about math prereq

Semester 3 – Fall 2018, 2020, 2022		Semester 4 – Spring 2019, 2021, 2023	
QUEST III (XS) (SS)	3 cr.	ENGR 207 Parametric Modeling	3 cr.
ENGR 105 Fundamentals of Drawing	3 cr.	ENGR 221 Machine Components	3 cr.
ENGR 220 Mechanics of Materials	3 cr.	ENGR 320 Motors & Drives	4 cr.
ENGR 130 Basic Circuits I (XL) (NS)	4 cr.	MATH 172 Calculus II (NS)	4 cr.
MATH 171 Calculus I (XM)	4 cr.	PHYS 201 Statics	3 cr.
Total Credits	17 cr.	Total Credits	17 cr.

Semester 5 – Fall 2017, 2019, 2021		Semester 6 – Spring 2018, 2020, 2022	
CONNECT: ENGL300	3 cr.	(XS) (SS) (GC)	3 cr.
ENGR 118 Fluid Control	2 cr.	(XC) (HU)	3 cr.
ENGR 330 Thermodynamics	3 cr.	ENGR 318 Fluid Dynamics	3 cr.
ENGR 342 Measure, Control & Data Acq	3 cr.	ENGR 335 Heat Transfer	3 cr.
PHYS 202 Dynamics	3 cr.	ENGR 360 Project Management	3 cr.
Total Credits	14 cr.	Total Credits	14 cr.

Semester 7 – Fall 2018, 2020, 2022		Semester 8 – Spring 2019, 2021, 2023	
(XS) (SS)	3 cr.	(XC) (HU)	3 cr.
(XC) (HU)	3 cr.	ENGR 390 Mechatronics	4 cr.
ENGR 322 Design Problems	3 cr.	Elective	3 cr.
ENGR 410 Capstone or 400 Internship	3 cr.	Upper Level Elective	3 cr.
Upper Level Elective	3 cr.		
Total Credits	15 cr.	Total Credits	13 cr.

Mechanical Engineering Technology
typical four-year plan for “algebra -ready” first-year student
“even fall” start
69-71 program credits (120 overall credits minimum)

Important Note: Not every course will necessarily be offered as shown below – upper level courses are usually offered on an alternate year schedule. This is an **example only**. You **must** stay in contact with Engineering Technology advisors about current and upcoming courses for planning purposes.

Semester 1 – Fall 2018, 2020, 2022		Semester 2 – Spring 2018, 2020, 2022	
WBIS 188 or COMM111	3 cr.	WBIS 188 or COMM111	3 cr.
QUEST I (XC) (HU)	3 cr.	QUEST II (XS) (SS) (ES)	3 cr.
ENGR 101 Fund of Engineering Tech †	2 cr.	ENGR 116 Basic Manufact Processes	3 cr.
MATH 104 College Algebra	3 cr.	MATH 106 Trigonometry	2 cr.
PHYS 107 General Physics I (XL)(NS) §	5 cr.	Elective	3 cr.
Total Credits	16 cr.	Total Credits	14 cr.

† check for possible Fall Interim offering
 § check with instructor about math prereq

Semester 3 – Fall 2017, 2019, 2021		Semester 4 – Spring 2019, 2021, 2023	
QUEST III (XS) (SS)	3 cr.	(XC) (HU)	3 cr.
ENGR 105 Fundamentals of Drawing	3 cr.	ENGR 207 Parametric Modeling	3 cr.
ENGR 118 Fluid Control	2 cr.	ENGR 360 Project Management	3 cr.
ENGR 130 Basic Circuits I (XL) (NS)	4 cr.	MATH 172 Calculus II (NS)	4 cr.
MATH 171 Calculus I (XM)	4 cr.	PHYS 201 Statics	3 cr.
Total Credits	16 cr.	Total Credits	16 cr.

Semester 5 – Fall 2018, 2020, 2022		Semester 6 – Spring 2018, 2020, 2022	
CONNECT: ENGL300	3 cr.	(XS) (SS) (GC)	3 cr.
(XC) (HU)	3 cr.	(XC) (HU)	3 cr.
ENGR 220 Mechanics of Materials	3 cr.	ENGR 221 Machine Components	3 cr.
ENGR 322 Design Problems	3 cr.	ENGR 320 Motors & Drives	4 cr.
PHYS 202 Dynamics	3 cr.	Elective	3 cr.
Total Credits	15 cr.	Total Credits	16 cr.

Semester 7 – Fall 2017, 2019, 2021		Semester 8 – Spring 2019, 2021, 2023	
(XS) (SS)	3 cr.	ENGR 318 Fluid Dynamics	3 cr.
ENGR 330 Thermodynamics	3 cr.	ENGR 335 Heat Transfer	3 cr.
ENGR 342 Measure, Control & Data Acq	3 cr.	ENGR 390 Mechatronics	3 cr.
ENGR 410 Capstone or 400 Internship	3 cr.	Upper Level Elective	3 cr.
Upper Level Elective	3 cr.		
Total Credits	15 cr.	Total Credits	12 cr.