

Mechanical Engineering Technology

2020-2021 Catalog: Sample Four-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
Year One	*MATH 1710	Calculus I <i>Pre-req: MATH 1650 or Test Placement</i>	4	F., Sp., Su.	MATH 1720	Calculus II <i>Pre-req: MATH 1710</i>	3	F., Sp., Su.
	CHEM 1410	General Chemistry I <i>Pre-req: MATH 1100 or higher</i>	3	F., Sp., Su.	*PHYS 1710	Mechanics <i>Pre-req: MATH 1710</i>	3	F., Sp., Su.
	CHEM 1430	General Chemistry I Lab <i>Co/Pre-req: CHEM 1410</i>	1	F., Sp., Su.	*PHYS 1730	Mechanics Lab <i>Co/Pre-req: PHYS 1710</i>	1	F., Sp., Su.
	ENGR 1030	Technological Systems	3	F., Sp.	*TECM 2700	Technical Writing <i>Pre-req: Communication Core</i>	3	F., Sp., Su.
	*ENGR 1304	Engineering Graphics	3	F., Sp.	University Core	Options on Page 29 in Academic Guide or mydegreeaudit.unt.edu	3	F., Sp., Su.
	*Comm. Core	Options on Page 29 in Academic Guide or mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on Page 29 in Academic Guide or mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		17		Total Hours		16	

Year Two	PHYS 2220	Electricity and Magnetism <i>Pre-reqs: MATH 1720, PHYS 1710, 1730</i>	3	F., Sp., Su.	ENGR 2302	Dynamics <i>Pre-reqs: ENGR 2301, MATH 1720</i>	3	Sp.
	PHYS 2240	Electricity and Magnetism Lab <i>Co-req/pre-req: PHYS 2220</i>	1	F., Sp., Su.	ENGR 2332	Mechanics of Materials <i>Pre-reqs: ENGR 2301</i>	4	F., Sp., Su.
	*ENGR 2301	Statics <i>Pre-reqs: PHYS 1710, 1730</i>	3	F., Sp., Su.	ENGR 2405	Circuit Analysis <i>Pre-req: MATH 1720</i> <i>Co/Pre-req: PHYS 2220/2240</i>	3	F., Sp., Su.
	CSCE 1030	Computer Science I <i>Co/Pre-req: MATH 1710</i>	4	F., Sp.	ENGR 2415	Circuit Analysis Lab <i>Co/Pre-req: ENGR 2405</i>	1	F., Sp.
	Technical Elective	Options at mydegreeaudit.com Must complete pre-reqs	3	Varies	University Core	Options on Page 29 in Academic Guide or mydegreeaudit.unt.edu	3	F., Sp., Su.
					University Core	Options on Page 29 in Academic Guide or mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		14		Total Hours		17	

Year Three	ENGR 3450	Engineering Materials <i>Pre-req: PHYS 1710, CHEM 1410/1430</i>	4	F., Sp.	ELET 3980	Digital Controls of Industrial Processes <i>Pre-req: MATH 1650 or higher</i>	3	Sp.
	MEET 3940	Fluid Mechanics <i>Pre-req: ENGR 2302, MATH 1720</i>	3	F.	MEET 3650	Design of Mechanical Components <i>Pre-req: ENGR 2332</i>	3	Sp.
	MEET 3990	Applied Thermodynamics <i>Pre-req: ENGR 2332, CHEM 1410/1430</i>	3	F.	MFET 4190	Quality Assurance <i>Pre-req: MATH 1720</i>	3	Sp.
	MFET 3110	Machining Principles and Processes <i>Pre-req: MATH 1650</i>	3	F., Sp.	MFET 4210	CAD/CAM System Operation <i>Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements</i>	3	F., Sp.
	University Core	Options on Page 29 in Academic Guide or mydegreeaudit.unt.edu	3	F., Sp., Su.	MEET 3550	Geometric Dimens. and Tolerancing <i>Pre-reqs: MFET 3110, ENGR 1304</i>	3	Sp.
	Total Hours		16		Total Hours		15	

Year Four	MEET 4050	Mechanical Design <i>Pre-req: MFET 3650</i>	3	F.	MEET 4790	Senior Design II <i>Pre-req: MEET 4780</i>	3	Sp.
	MEET 4350	Heat Transfer Applications <i>Pre-req: MFET 3940, 3990</i>	3	F.	MEET 4360	Experimental Thermal Sciences <i>Pre-req: MEET 3940, 3990, 4350</i>	3	Sp.
	MEET 4780	Senior Design I <i>Co/Pre-req: MFET 4210, MEET 4050, 4350</i>	1	F.	Advanced Elective	Options at mydegreeaudit.com Must complete pre-reqs	3	Varies
	MFET 4200	Engineering Cost Analysis <i>Pre-req: MATH 1720</i>	3	F.	University Core	Options on Page 29 in Academic Guide or mydegreeaudit.unt.edu	3	F., Sp., Su.
	Advanced Elective	Options at mydegreeaudit.com Must complete pre-reqs	3	Varies				
	University Core	Options on Page 29 in Academic Guide or mydegreeaudit.unt.edu	3	F., Sp., Su.				
	Total Hours		16		Total Hours		12	

Courses in **Bold** = Destination courses required to transition to a full-major. Minimum grade of "C" and 2.5 GPA required for completion.
 Courses with * = Foundations courses required to progress to advanced level courses. Minimum grade of "C" required for completion.
 Courses with subject abbreviations of ENGL, TECM, MATH, CHEM, PHYS, ENGR, ELET, CSCE, MEET, and MFET require minimum grade of "C" for completion and/or prerequisite.

This is an unofficial sample schedule. Requirements, prerequisites, corequisites, and term offerings may change. You should check your degree audit at mydegreeaudit.unt.edu each term. You should meet with your advisor each term to discuss individual scheduling, program decisions, etc.