BSET in Mechanical Engineering Technology Plan of Study 2026-2027

	Fall		Spring	
	Course	CH	Course	CH
Freshman	ENGR 1300 Exploring Engineering & Technology with Success	2	ENGR 1302 Logic and Comp. Problem Solving	3
	ENGR 1301 Foundations of Math & Science for Engineering	3	ENGR 1303 Engineering Visualization & Graphical Communication	3
	MATH 1103 Pre-calc Math for Sci. & Eng.	3	MATH 1241 Calculus I	3
	XXXX 15XX Themes Course	3	PHYS 2101 Physics I	3
	XXXX 15XX Themes Course	3	PHYS 2101L Physics for Science and Engineering I Laboratory	1
			WRDS 1103 Writing & Inquiry in Academic Contexts I & II	3
	Total: 14		**Total: 16**	
Sophomore	MEET 2211 CAD Fundamentals	3	MEET 2100 Project Design and Management	3
	MEET 2301 Statics	3	MEET 2202 Applied Manufacturing	3
	MEET 2600 Professional Development for Engineering Technologists	1	MEET 2302 Kinematics	3
	MEET 2221 Circuit Fundamentals	3	MEET 2222 Instrumentation and Measurement	3
	ETGR 2272 Engineering Analysis II or MATH 1242 Calculus II	3	PHYS 1102 Introductory Physics II	3
	MEET 2201 Applied Engineering Materials	3	PHYS 1102L Introductory Physics II Laboratory	1
	Total: 16		**Total: 16**	
Junior	ENGL 2116 Intro to Technical Communication	3	MEET 3100 Junior Design Practicum	3
	MEET 2203 Manufacturing Laboratory	1	MEET 3251 Principles of Thermal Engineering	3
	MEET 3302 Kinetics	3	MEET 3303 Machine Design 1	3
	MEET 3250 Fluid Mechanics	3	CTCM 2530 Critical Thinking and Communication	3
	MEET 3301 Strength of Materials	3	MATH 2171 Differential Equations	3
	MEET 3301L Stress Analysis Lab	1		
	Total: 14		**Total: 15**	
Senior	MEET 4211 Applied CAD Modeling and Simulation	3	ETME 4102 Senior Design II	2
	MEET 4101 Senior Design I	2	MEET 4252 Thermal Fluids Lab	1
	MEET 4251 Thermal Engineering Applications	3	Restricted Elective	3
	Restricted Elective	3	Restricted Elective	3
	Restricted Elective	3	XXXX 15XX Themes Course	3
			XXXX 1575 Themes Course	3
	Total: 14		**Total: 15**	

Total student Credit hours: 120