

School of Engineering and Technology

Student ID:

Student Name:

Program Entry Date:

Degree/Program Plan: B.S. Mechanical Engr. Tech.
 Program/Plan Code: TECH1 / METBSBS
 Requirement Term: 4208

1st Semester

Course#	Units	Title	My 1st Semester
ENG-W 131	3	Elementary Composition	
MATH 15900	5	Precalculus	
MET 10400	3	Technical Graphics Communication	
TECH 10500	3	Introduction to Engr Tech	
TECH 10200	1	FYS for TECH Majors	

Credit Hours 15

2nd Semester

Course#	Units	Title	My 2nd Semester
CHEM-C 101	3	Elementary Chemistry I	
MET 11100	3	Applied Statics	
MET 20400	3	Introduction to Design	
IET 10400	3	Industrial Organization	
COMM-R 110	3	Fund of Speech Communication	

Credit Hours 15

3rd Semester

Course#	Units	Title	My 3rd Semester
MATH 22100	3	Calculus for Technology I	
MET 21100	4	Applied Strength of Materials	
TCM 21800	1	Introduction to Engineering Technical Reports	
IET 15000	3	Quantitative Methods for Technology	
PHYS 21800	4	General Physics I	

Credit Hours 15

4th Semester

Course#	Units	Title	My 4th Semester
MATH 22200	3	Calculus for Technology II	
MET 21400	3	Machine Elements	
MET 23000	3	Fluid Power	
MET 22000	3	Heat and Power	
Gen Ed Elec.	3	Arts and Humanities List	

Credit Hours 15

120

Total Credit Hours for BS Degree

Courses in should be taken together

Critical courses are printed in bold font

5th Semester

Course#	Units	Title	My 5th Semester
MET 32000 or MET 32900	3	Applied Thermodynamics or Introduction to Heat Transfer	
TCM 35800	1	Technical Report Analysis and Development	
MET 21300	3	Dynamics	
MET 33800	4	Manufacturing Processes	
MET 34800	4	Engineering Materials	

Credit Hours 15

6th Semester

Course#	Units	Title	My 6th Semester
ECET 11600	3	Electrical Circuits	
IET 35000	3	Engineering Economics	
MET 31000	3	Computer Aided Machine Design	
TCM 35900	1	Technical Data Reporting and Presentation	
MET 35000	3	Applied Fluid Mechanics	
IET 36400	3	Total Quality Control	

Credit Hours 16

7th Semester

Course#	Units	Title	My 7th Semester
Inst. Selective	3	Instrumentation & Control Selective	
CAD/CAM Sel	3	CAD/CAM Selective	
Maint Sel	3	Maintenance & Reliability Selective	
Gen Ed Elec.	3	Social Science List	
Tech Sel	3	MET, IET, or TECH 5XX	

Credit Hours 15

8th Semester

Course#	Units	Title	My 8th Semester
MET Sel	3	MET Capstone Selective	
TCM 41500	1	Technical Communication for Mechanical Design Projects	
Gen Ed Elec.	3	Cultural Understanding List	
Gen Ed Elec.	3	Arts OR Social Science List	
Tech Sel	3	MET 3XX or higher, IET 3XX or higher, or TECH 5XX	
ECET 49300	1	Ethics & Professionalism	

Credit Hours 14

Updated January 28, 2016