

**Associate in Applied Science
Mechanical Engineering Technology (AAS.MET 35315)**

**Total Credit Hours: 63.0
Effective: Fall 2021**

Completion Plan

First Semester			
	Credit Hours	Pre-requisites	Recommended Terms
COL 101 College Orientation	1.0		Any 4 week or 8 week- FA
EGR 170 Engineering Materials	3.0	RWR 032 or equivalent	16 week FA only
*EGT 111 Mechanical Drawing I	2.0	RWR 032, MAT 033 or equivalent Minimum grade of C Co-requisite: EGT 290	1 st 8 week FA or SP
*EGT 290 Computer Aided Design	1.0	RWR 032, MAT 033 or equivalent Minimum grade of C Co-requisite: EGT 111	2 nd 8 week FA or SP
*ENG 101 English Composition I	3.0	Co-requisite: ENG 032 or equivalent	1 st or 2 nd 8 week - FA
*MAT 112 Pre-Calculus	5.0	MAT 105 or equivalent Minimum grade of C	16 week - FA
TOTAL	15.0		

Second Semester

	Credit Hours	Pre-requisites	Recommended Terms
CPT 170 Microcomputer Applications	3.0		1 st or 2 nd 8 week - SP
*EGR 175 Manufacturing Processes	3.0	ENG 031 or equivalent Minimum grade of C	1 st or 2 nd 8 week - SP or 2 nd 8 week SU
*EGT 112 Mechanical Drawing II	3.0	EGT 111 and EGT 290 Minimum grade of C	1 st 8 week SP or 1 st 4 week SU
ENG 160 Technical Communications	3.0	ENG 101 or equivalent Minimum grade of C	1 st or 2 nd 8 week - SP
*PHY 201 Physics I	4.0	ENG 032 or equivalent MAT 110, MAT 112 or equivalent	16 week - SP
TOTAL	16.0		

Third Semester

	Credit Hours	Pre-requisites	Recommended Terms
*EGR 190 Statics	3.0	MAT 112 -Minimum grade of C	16 week FA only
MET 214 Fluid Mechanics	3.0	PHY 201 – Minimum grade of C	16 week FA only
PHY 202 Physics II	4.0	PHY 201	16 week - FA
@Social Science (list below)	3.0		

* Courses in this program that require a minimum grade of "C."

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@Elective (list below)	3.0		
TOTAL	16.0		

Fourth Semester

	Credit Hours	Pre-requisites	Recommended Terms
MET 211 Strength of Materials	4.0	PHY 201 and EGR 190 Minimum grade of C	16 week SP only
MET 223 Thermodynamics Systems	3.0	EGR 190 and PHY 201 Minimum grade of C	16 week SP only
MET 231 Machine Design	4.0	EGR 190 and PHY 201 Minimum grade of C Co-requisite: MTT 101	16 week SP only
MTT 101 Introduction to Machine Tool	2.0		16 week - SP
@Humanities (list below)	3.0		
TOTAL	16.0		

@Electives: CHM 101, CHM 110, CPT 168, EGR 260, EGR 264, EGR 266, EGT 210, EGT 225, EGT 252, MAT 140

@Humanities: HIS 101, HIS 102, HIS 201, HIS 202, HSS 205

@Social Science: ECO 210, ECO 211, PSC 201, PSY 201, SOC 101

* Courses in this program that require a minimum grade of "C."