

## Associate of Applied Science in Manufacturing Technology Years 1 and 2 at Metropolitan Community College

General Education Requirements		Credits
ENGL 101	Composition & Reading I	3
SPDR 100	Fundamentals of Speech	3
HIST 120	American History I <i>or</i>	3
HIST 121	American History II	
MATH 120	College Algebra	3
MATH 130	Trigonometry	3
PHYS 112	Technical Physics	5
Specialized Core Courses		
BSAD 109	Principles of Supervision	3
MATE 115	Blueprint Reading for Manufacturing Trades	2
MATE 100	Introduction to Machine Tool Technology	2
MATE 101	Machining and Tooling I	5
MATE 102	Machining and Tooling II	5
MATE 103	Machining and Tooling III	3
MATE 104	Machining and Tooling IV	3
MATE 201	Basic Metallurgy	3
MATE 203	Process Planning and Production Problems	3
MATE 210	Computerized Numerical Control	3
CSIS 110	Technology and Information Management	3
EHSS 100	Introduction to EHSS	3
MATE 114	Metrology	2
MATE 116	Geometric Dimensioning and Tolerancing Printreading	2
MATE 215	Computerized Numerical Control Mill	3
MATE 131 and 132 and 133 and 134 and 135		5
POLS 135	Introduction to Political Science <i>or</i>	3
POLS 136	Introduction to American National Politics <i>or</i>	
POLS 137	Introduction to State and Local Politics	
<b>Total Credits Required</b>		<b>62-64</b>

## Bachelor of Science in Industrial and Engineering Technology Emphasis in Manufacturing Technology Years 3 and 4 at SEMO

General Education Requirements		Credits
Artistic Expression		3
Living Systems		3
MA 139	Applied Calculus	3
EN 140	Rhetoric & Critical Thinking	3
CH 181	Principles of Chemistry	5
UI 319	Science & Technology	3
Behavioral Systems		3
Social Systems		3
Literary Expression		3
Economics Systems		3
IM 102	Technical Communications	3
IM 211	Industrial Safety Supervision	3
IM 419	Industrial Supervision	3
UI 410	Research	3
<b>Major Electives</b>		<b>18</b>
<b>Total Credits Required</b>		<b>124</b>