

**ASSOCIATE OF APPLIED SCIENCE ADVANCED MANUFACTURING**  
**MACHINE TOOL (6917) 60 Credit Hours**

**CORE (20 Credit Hours)**

ENGLISH COMPOSITION: 6 hours required

\_\_\_ ENG113 English Comp I (F,S) **AND**

\_\_\_ ENG123 English Comp II (F,S)

**OR**

\_\_\_ ENG133 Technical Writing\* (S)

MATHEMATICS: 3 hours required

\_\_\_ MTH203 College Algebra\* (F,S)

**OR**

\_\_\_ MTH113 Technical Math\* (F,S)

TECHNOLOGY CORE: 8 hours required

\_\_\_ MCH145 Basic Print Reading,  
GDT, Precision Measuring (F)

\_\_\_ CST113 Computer Applications (F,S)

MACHINE TOOL EMPAHSIS: 25 hours required

\_\_\_ MCH105 Machine Tool Technology I (F)

\_\_\_ MCH215 Machine Tool Technology II (S)

\_\_\_ MCH135 CNC Milling (F)

\_\_\_ MCH115 CNC Turning (S)

\_\_\_ MCH155 Metals, Alloys, Basic Metallurgy,  
Heat Treatment (S)

SOCIAL SCIENCES: 3 hours required

\_\_\_ HIS213 US History to 1865 (F,S)

\_\_\_ HIS223 US History from 1865(F,S)

\_\_\_ PSI103 Am. National Gov (F,S)

\_\_\_ CRJ103 Intro to Criminal Justice (F,S)

\_\_\_ ECN203 Microeconomics (F)

\_\_\_ GEO103 Regional Geography (F,S)

\_\_\_ HIS233 Arkansas History (F,S)

\_\_\_ PSY203 General Psychology (F,S)

\_\_\_ PSY213 Developmental Psychology (F,S)

\_\_\_ SOC103 Introduction to Sociology (F,S)

\_\_\_ HIS143 World Civilization to 1500 (F,S)

\_\_\_ HIS153 World Civilization from 1500 (F,S)

ELECTIVE COURSES: 15 hours required

*Electives must be approved by advisor*

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Suggested Electives

WELD1107, WELD1207, WELD1003, MCH205

**TECHNICAL CERTIFICATE - MACHINE Tool Technology (4680) 36 Credit Hours**

MATHEMATICS: 3 hours required

\_\_\_ MTH203 College Algebra\* (F,S)

**OR**

\_\_\_ MTH113 Technical Math\* (F,S)

BUSINESS: 3 hours required

\_\_\_ BUS213 Business Communications (F,S)

**OR**

\_\_\_ ENG113 English Composition I\* (F,S)

MACHINE TOOL EMPAHSIS: 25 hours required

\_\_\_ MCH105 Machine Tool Technology I (F)

\_\_\_ MCH215 Machine Tool Technology II (S)

\_\_\_ MCH135 CNC Milling (F)

\_\_\_ MCH115 CNC Turning (S)

\_\_\_ MCH155 Metals, Alloys, Basic Metallurgy,  
Heat Treatment (S)

TECHNOLOGY CORE: 5 hours required

\_\_\_ MCH145 Basic Print Reading,  
GDT, Precision Measuring (F)

**CERTIFICATE OF PROFICIENCY - MACHINE TOOL TECHNOLOGY (1685) 10 Credit Hours**

\_\_\_ MCH105 Machine Tool Technology I (F)

\_\_\_ MCH145 Basic Print Reading,  
GDT, Precision Measuring (F)

For more information about this degree, contact the Director of Admissions at 479-394-7622 ext. 1140  
or Jonathan Lunsford ext. 1364