

## ARTICULATION AGREEMENT

HENRY FORD COMMUNITY COLLEGE  
ASSOCIATE IN ARTS  
*Industrial Drafting & CAD Technology*

LAWRENCE TECHNOLOGICAL UNIVERSITY  
BACHELOR OF SCIENCE  
*Engineering Technology*

### HENRY FORD COMMUNITY COLLEGE

#### REQUIRED CORE CLASSES

#### SEMESTER HOURS

DRAF 110 Introduction to Industrial Drafting	3
DRAF 120 Introduction to CAD	4
DRAF 130 Technical Descriptive Geometry	3
DRAF 142 Industrial Detailing	4
DRAF 210 Die Design	2
DRAF 220 Machine Element Drafting	3
DRAF 240 Product Drawing	2
DRAF 255 CAD Advanced Techniques	4
DRAF 260 Advanced CAD Applications Solid Modeling	4
MET 100 Manufacturing Processes 1 OR	4
MET 110 Manufacturing Processes 2	4
MET 140 Introduction to CNC	3

#### REQUIRED SUPPORT COURSES

ENG 131 – Composition	3
ENG 132 – Composition OR	3
*ENG 135 – Business & Technical Writing	3
MATH 100 Basic Tech Math and	
MATH 103 Technical Mathematics	
OR	8
MATH 103 Technical Mathematics and	
MATH 112 Trigonometry	8
OR	
MATH 100 Intermediate Algebra and	
MATH 175 Precalculus (or MATH 180)	8
PHYS 120 and 121 OR	8
POLS 131 – Introduction to American Government and Political Science <b>or</b>	<b>3</b>
SSC 131 – Survey of the Social Sciences	
**Health <b>or</b> Physical Education	2

#### GENERAL ELECTIVES

-choose one of the following:

MATH 140, BEC 151, 132, PSY 131, CHEM 131	4
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**\*Preferred Course to Transfer**

**\*\*Course Does Not Transfer**

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### LAWRENCE TECHNOLOGICAL UNIVERSITY

<u>ARTS &amp; SCIENCE CORE</u>	<u>SEMESTER HOURS</u>
MCS 1023 TECH COMP APP	3
MCS 2323 APPL DIFF EQUATIONS	3
PHY 1083 TECH PHYSICS 2	3
PHY 1101 TECH PHYSICS 2 LAB	1
LLT 1213 WORLD MASTERPIECES 1	3
LLT 1223 WORLD MASTERPIECES 2	3
LLT/SSC/PSY JR/SR ELECT	3
 <u>BSET CORE</u>	
HRM 4013 EMP/ MGT RELATIONS	3
MGT 2203 MGMT & SUPERVISION	3
TOM 3113 OPERATIONS MANAGEMENT	3
TEE 3103 AC/ DC CIRCUITS	3
TIE 2163 ENGR ECONOMICS	3
TIE 4115 SENIOR PROJECT	5
TIE 4103 ENGR MATERIALS 2	3
TME 2053 OR TME 3113	3
 <i>Choose 3 of the following for which you have not already received credit:</i>	
MCS 2313 TECH CALC	3
MCS 2023 STAT MATH	3
SSC 2303 BASIC ECONOMICS	3
SSC 2423 DEVELOPMENT OF AMERICAN EXP	3
 <u>GENERAL ELECTIVES (if necessary)</u>	
GENXXX3	5-6

NOTE:

*Total Credits*            125  
*Transferred Credits*    63-64  
*Remaining Credits*     61-62