

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

| <u>REQUIRED CORE CLASSES</u> | <u>SEMESTER HOURS</u> |
|--------------------------------------------------------------------------------|-----------------------|
| MET 100 Manufacturing Processes 1 | 4 |
| MET 110 Manufacturing Processes 2 | 4 |
| MET 130 Quality Control Gaging & Inspection | 3 |
| MET 140 Numerical Control Concepts | 3 |
| MET 145 CNC Operations | 4 |
| MET 150 SPC in Manufacturing | 3 |
| MET 160 Computer Assisted N/C Programming | 3 |
| MET 170 Advanced Computer Assisted N/C Programming | 3 |
| MET 210 Non-Traditional Manufacturing Processes | 4 |
| DRAF 110 Introduction to Industrial Drafting | 3 |
| <u>REQUIRED SUPPORT COURSES</u> | |
| DRAF 120 Introduction to CAD | 4 |
| 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 | |
| PHYS 130 and 131 | 8 |
| POLS 131 – Introduction to American Government and Political Science or | 3 |
| SSC 131 – Survey of the Social Sciences | |
| **Health or Physical Education | 2 |

***Preferred Course to Transfer**

****Course Does Not Transfer**

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| <u>ARTS & SCIENCE CORE</u> | <u>SEMESTER HOURS</u> |
|---------------------------------------------|-----------------------|
| MCS 1023 TECH COMP APP | 3 |
| MCS 2023 STATISTICAL METHODS | 3 |
| MCS 2313 TECH CALCULUS | 3 |
| MCS 2323 APPL DIFF EQUATIONS | 3 |
| CHM 3144 FUND OF CHEM | 4 |
| 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 |
| SSC 2303 BASIC ECONOMICS | 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 |
| <u>GENERAL ELECTIVES (if necessary)</u> | |
| GENXXX3 | 7 |

NOTE:

| | |
|----------------------------|------------|
| <i>Total Credits</i> | <i>125</i> |
| <i>Transferred Credits</i> | <i>62</i> |
| <i>Remaining Credits</i> | <i>63</i> |