Grant Title: Accelerated Pathways in Advanced Manufacturing (APAM)

Author: Community College of Rhode Island

Link: <u>http://www.ccri.edu/</u>

## Document: <u>Number10 Strategy3 Activity1 Deliverable14a - 00-Curriculum-</u> <u>Committee -Overview-rev.03</u>

## **DOL Disclaimer Statement:**



"This workforce product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The U.S. Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership."



Unless otherwise noted - this work is licensed under the Creative Commons Attribution 4.0 International License. To view a copy of this license, visit <u>http://creativecommons.org/licenses/by/4.0/</u>.

|    | A.S. Manufacturing Technology and Associated Certificates |           |   | New |
|----|---|-----------|---|-----|
|    | Degree and Certificates                                   |           |   |     |
| 1  | A.S. Degree – Advanced Manufacturing Technology           | ETMA      |   | x   |
| 2  | Certificate – Manufacturing Design & Rapid Prototyping    | ETMD      |   | x   |
| 3  | Certificate - Manufacturing Machining                     | ETMM      |   | х   |
| 4  | Certificate - Manufacturing Automation and Quality        | ETMQ      |   | х   |
|    | Related Courses   |           |   |     |
| 5  | ** Mechanical Industrial Design                           | ETCN 1000 |   | х   |
| 6  | **Advanced Machining Skills                               | ETCN 2000 |   | х   |
| 7  | ** Lean Manufacturing                                     | ETCN 2250 |   | х   |
| 8  | **Industry and OSHA-10 Seminars                           | ETCN 2400 |   | х   |
| 9  | **Automated Machining Technology                          | ETCN 2350 |   | х   |
| 10 | **Manufacturing Quality Control                           | ETCN 2360 |   | x   |
| 11 | ENGL 1010 Composition I                                   | ENGL 1010 | x |     |
| 12 | Applied Technical Math I                                  | MATH 1750 | x |     |
| 13 | Applied Technical Math II                                 | MATH 1760 | x |     |
| 14 | Physics for technology                                    | PHYS 1050 | x |     |
| 15 | Intro. to Renewable Energy                                | PHYS 1070 | x |     |
| 16 | Psychology in the Workplace                               | PSY 1050  | x |     |
| 17 | Oral Communications I                                     | COMM 1100 | x |     |
| 18 | Engineering Graphics (Solidworks)                         | ENGR 1030 | x |     |
| 19 | Blue Print Reading and Machine Handbook                   | ETCN 1100 | x |     |
| 20 | Intro to Manufacturing Process                            | ETME 1020 | x |     |
| 21 | Advanced Solid Modeling                                   | ENGT 2090 | x |     |
| 22 | CNC Manufacturing I                                       | ETCN 1300 | x |     |
| 23 | Precision Measurement & Geometric Dim. Tol.               | ETCN 1200 | x |     |
| 24 | Introduction to Digital systems (PLCs)                    | ETEE 1800 | x |     |
| 25 | Introduction to Robotics and Control                      | ETME 1010 | х |     |
| 26 | CNC Manufacturing Capstone (140 hr Internship)            | ETCN 2500 | х |     |
| 27 | Introduction to AutoCAD                                   | ENGT 1060 | x |     |
| 28 | 3D Modeling and Prototyping                               | ETCN 2300 | x |     |
| 29 | Computer Aided Manufacturing (Master Cam)                 | ETCN 2100 | x |     |
| 30 | CNC Manufacturing II                                      | ETCN 2200 | x |     |
| 31 | Automation Systems  | ETME 2150 | x |     |

## **Curriculum Committee Overview**