



CENTRAL MICHIGAN
UNIVERSITY

DELTA COLLEGE
ARTICULATION AGREEMENT

Associate in Applied Science Manufacturing & Industrial Technology Concentration: Computer Numerical Control Delta College	CMU Equivalency	Bachelor of Applied Arts Major: Administration Minor: Industrial Technology Central Michigan University																
<p>General Education Courses (19-22) Delta College Select one of the following Natural Science courses AST 111 Introduction to Astronomy (3) & AST 111L Astronomical Investigation (1) OR BIO 111 Principles of Biology (4) OR BIO 171 Integrated General Biology I (4) OR CHM 101 General Chemistry I (5) OR GEO 111 Physical Geography (4) OR GLG 111 Physical Geology (4) OR PSC 101 Physical Science 101 I (4) OR Physics 101 Applied Physics (4) OR Physics 111 General Physics I (4) OR Physics 211 Physics I (4) *ENG 111 College Composition I (3) ENG 113 Technical Communication (3) *MTH 119 Intermediate Algebra (4) POL 103 Introduction to American Government (3) OR POL 111 American Government/Politics (4) LW Any 1 Credit LW Course (1) AND LWA Any 1 Credit LWA Course (1) OR LW Any 2 Credit LW Course (2)</p> <p>Basic Program Requirements (32-33) CAD 114 Introduction to CAD (2) CAD 226 3D Parametric Solid Modeling (3) CNC 162 Computer Numerical Control Theory (4) DRF 121 Blue Print Reading (3) OR SKDR 101 Sketching and Blue Print Reading (4) EET 235 Electrical Circuits (3) MIT 118 Safety Practices and Procedures (2) MIT 111 Manufacturing Processes (2) MS 114 Industrial Technology Machine Tools (3) MT 220 Introduction to Fluid Power (3) MT 221 Introduction to Engineering Materials (3) QA 244 Statistical Process Control (3)</p> <p>Computer Numerical Control Concentration (17) CAD 120 Introduction to CAM (3) CNC 216 CNC with Machine Applications (4) CNC 225 Mastercam (4) DRF 128 Geometric Tolerancing (2) MT 110 Machine Tool Calculation (4)</p>	<p>AST 111</p> <p>AST 112</p> <p>BIO 101 & Lab</p> <p>BIO CR & Lab</p> <p>CHM 120 & CHM 127</p> <p>GEO 105 & Lab</p> <p>GEL 101 & GEL 102</p> <p>PHS 151 & Lab</p> <p>PHY CR & Lab</p> <p>PHY 130 & PHY 170</p> <p>PHY 145 & PHY 175</p> <p>ENG 101</p> <p>ENG CR</p> <p>MTH 105</p> <p>PSC 105</p> <p>PSC 105</p> <p>Transferable Credit</p> <p>Transferable Credit</p> <p>Transferable Credit</p> <p>TEC 222</p> <p>TEC 322</p> <p>Nontransferable Credit</p> <p>IET CR</p> <p>Nontransferable Credit</p> <p>IET CR</p> <p>IET 327</p> <p>IET CR</p> <p>IET CR</p> <p>IET 284</p> <p>IET 475</p> <p>IET CR</p> <p>IET CR</p> <p>Nontransferable Credit</p> <p>Nontransferable Credit</p> <p>IET CR</p> <p>IET CR</p>	<p>Remaining University Program Requirements (24-25) Group I: Humanities Subgroup A. Human events and Ideas (3) Subgroup B. The Arts (3) Group II: Natural Sciences (One of the following groups' contingent upon lab science transferred.) Subgroup A. Descriptive Science (3-4) Subgroup B. Quantitative and Mathematical Sciences (3-4) Group III: Social Sciences Subgroup A. Behavioral Science (3) Group IV: Integrative and Area Studies Subgroup A. Integrative and Multi-disciplinary Studies (3) Subgroup B. Studies in Global Cultures (3) Subgroup C. Studies in Racism and Cultural Diversity in the United States (3) University Program Elective (3)</p> <p>Remaining University Program courses are to be selected in consultation with a CMU advisor to ensure that degree and graduation requirements will be satisfied.</p> <p>Remaining Competency Requirements (6) *COM 101 Introduction to Speech Communication (3) OR *COM 357 Public Speaking (3) *ENG 201 Intermediate Composition (3)</p> <p>Remaining Administration Major Core Courses (28) ACC 203 Essentials of Accounting for Business (3) ACC 204 Accounting for Not-for-Profit Entities (1) CPS 501 Survey of Computer Science (3) ECO 201 Principles of Macroeconomics (3) ECO 202 Principles of Microeconomics (3) FIN 303 Financial Administration (3) MGT 312 Principles of Management (3) MGT 495 Global Management Strategies (3) MKT 300 Introduction to Marketing (3) STA 282 Introduction to Statistics (3)</p> <p>Concentration (18 Hours) Concentrations consist of: Building Code Administration, Guest Services Administration, Industrial Administration, Organization Administration, and Service Sector Administration. Please note that the Building Code Administration is only available through an online format. The Organization Administration may be completed online, face-to-face or a combination. The Guest Services Administration and Service Sector Administration concentrations require applicable transferable credit. Please note that the amount of remaining course work to be completed within the concentration is contingent upon the concentration selected.</p> <p>Students are required to earn at least 124 semester hours in order to graduate from CMU. 60 semester hours must be from a regionally accredited 4-year degree granting institution. 40 of the semester hours must be 300 level courses. A minimum of 30 semester hours of CMU residency credits are required.</p>																
<p>To ensure the transferability of Delta College course work please consult the CMU Online Transfer Guide at www.cmich.edu/Admissions/Transfers/What_will_transfer.htm. Transferable courses completed with a grade of "C-" or better may be accepted.</p>	<p>Students may take up to 16 credit hours of the following courses at either institution.</p> <table border="1"> <thead> <tr> <th>Delta</th> <th>CMU</th> </tr> </thead> <tbody> <tr> <td>ECN 221</td> <td>ECO 201</td> </tr> <tr> <td>ECN 222</td> <td>ECO 202</td> </tr> <tr> <td>*ENG 112</td> <td>*ENG 201</td> </tr> <tr> <td>MGT 243</td> <td>MKT 300</td> </tr> <tr> <td>MGT 245</td> <td>MGT 312</td> </tr> <tr> <td>MTH 208</td> <td>STA 282</td> </tr> <tr> <td>*COM 112</td> <td>*COM 101</td> </tr> </tbody> </table>	Delta	CMU	ECN 221	ECO 201	ECN 222	ECO 202	*ENG 112	*ENG 201	MGT 243	MKT 300	MGT 245	MGT 312	MTH 208	STA 282	*COM 112	*COM 101	
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