

## CAREER PATHWAYS ARTICULATION And Next Course Matrix UPDATED SP18

UPPER SHORE COUNTIES	High School Program	HIGH SCHOOL COURSES REQUIRING A GRADE OF "B" OR BETTER	ARTICULATED COLLEGE PROGRAM and Major Code	NEXT COLLEGE COURSE REQUIRING A GRADE OF "C" OR BETTER- Gateway Course	ARTICULATED COURSES (College credit will be given for the courses below IF all requirements have been met)
<b>CAROLINE COUNTY</b>	Early Childhood Development &  Teacher Education Academy of Maryland	<ul style="list-style-type: none"> <li>Child Development Laboratory</li> <li>Human Growth and Development</li> <li>Early Childhood Education Seminar and Internship</li> <li>Advance Laboratory – Child Development</li> </ul>	Early Childhood Development AAS Degree (641) <b>OR</b> Early Childhood Development Advanced Certificate (642)	ECD 160 - Child Development & Behavior (3 credits)	<ul style="list-style-type: none"> <li>ECD 101 - Introduction to Early Childhood Education (3 credits)</li> </ul>
	Teacher Education Academy of Maryland	<ul style="list-style-type: none"> <li>Human Growth &amp; Development</li> <li>Teaching as a Profession</li> <li>Curriculum Planning for Instruction</li> <li>Teacher Academy Internship</li> </ul>	Elementary Education/Elementary Special Education AAT Degree (305)	EDU 210 - Introduction to Special Education (3 credits)	<ul style="list-style-type: none"> <li>EDU 101 - Foundations of Education</li> </ul>
	Computer-Aided Drafting and Design	<ul style="list-style-type: none"> <li>Fundamentals of Construction and Drafting Design</li> <li>Computer Aided Drafting I</li> <li>Computer Aided Drafting II</li> <li>Drafting and Print Reading</li> </ul>	Engineering Technology: Drafting and Design AAS Degree (743)	ETT 110 - Concepts of Electronics (3 credits)	<ul style="list-style-type: none"> <li>DFT 101 - Fundamentals of Drafting/CAD (3 credits)</li> <li>DFT 104 - Blue Print Reading (3 credits)</li> <li>CAD 100 – Intro to CAD (3 credits)</li> </ul>
	Food and Beverage Management (ProStart)	<ul style="list-style-type: none"> <li>Food Svc Preparation I</li> <li>Food Svc Preparation II</li> </ul>	Hotel/Restaurant Management: Food Service Management Certificate(655)	FSM 103 - Food Preparation I (3 credits)	<ul style="list-style-type: none"> <li>FSM 101 - Sanitation, Safety &amp; First Aid (3 credits)</li> <li>FSM 102 - Culinary Fundamentals (3 credits)</li> </ul>
	Industrial Technology	<ul style="list-style-type: none"> <li>Fundamentals of Industrial Technology</li> <li>Mechanical Systems</li> <li>Electrical Systems</li> <li>Drafting and Print Reading</li> </ul>	Engineering Technology: Drafting and Design Certificate (742)	CAD 100 - Introduction to CAD (3 credits)	<ul style="list-style-type: none"> <li>DFT 101 - Fundamentals of Drafting/CAD (3 credits)</li> <li>DFT 104 – Blue Print Reading (3 credits)</li> <li>WEL 100 – Basic Arc Welding (3 credits)</li> </ul>
	Advanced Manufacturing Production (To replace Industrial Technology, above)	<ul style="list-style-type: none"> <li>Foundations of AMP I</li> <li>Foundations of AMP II</li> <li>Applications of AMP I</li> <li>Applications of AMP II</li> </ul>	Technical & Professional Studies A.A.S. (400): Advanced Manufacturing Production area of focus  Engineering Technology: Drafting and Design Certificate (742)	MFG 100: Machine Shop (3)  ACH 100: Architectural Drawing / CAD I	<ul style="list-style-type: none"> <li>DFT 101: Fundamentals (3)</li> <li>WEL 100: Basic Arc Welding (3)</li> <li>TEC 115: Safety Mngmnt. (3)</li> <li>DFT 101: Fundamentals (3)</li> <li>DFT 104: Blue Print Reading (3)</li> <li>CAD 100: Intro to CAD (3)</li> </ul>

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<b>CAROLINE COUNTY</b> (Continued)			Engineering Technology: Drafting and Design AAS Degree (743)	ETT 110: Concepts of Electronics (3)	<ul style="list-style-type: none"> <li>DFT 101: Fundamentals (3)</li> <li>DFT 104: Blue Print Reading (3)</li> <li>CAD 100: Intro to CAD (3)</li> </ul>
	Business Management	<ul style="list-style-type: none"> <li>Principles of Bus. Administration</li> <li>Marketing I</li> <li>Marketing II</li> <li>Accounting I</li> <li>Accounting II</li> </ul>	Business Management Technology AAS Degree (401) <b>OR</b> Business Management Technology Certificate (402)	ACC 103 - Principles of Accounting I (3 credits)	<ul style="list-style-type: none"> <li>BUS 101 - Introduction to Business (3 credits)</li> </ul>
	Curriculum for Agriculture Science (CASE)	<ul style="list-style-type: none"> <li>Introduction to Agriculture, Food and Natural Resources</li> <li>Plant Science or Animal Science</li> <li>Animal &amp; Plant Biotechnology</li> <li>Agricultural Business, Research and Development (Capstone)</li> </ul>	Agriculture: Production Area of Concentration (175) <b>OR</b> Agriculture: Sustainability Area of Concentration (176)	AGR 113 Soil Science (4 credits)	<ul style="list-style-type: none"> <li>AGR 101 – Introduction to Agriculture (3 credits)</li> </ul>
	Computer Science	<ul style="list-style-type: none"> <li>Foundations of Computer Science</li> <li>AP Computer Science Principles</li> <li>AP Computer Science: A</li> </ul>	Computer Information Systems Degree A.A.S. - Digital Administrative Assistant Area of Concentration (432)  Computer Information Systems A.A.S. Degree - Social Media Specialist Area of Concentration (433)  Computer Information Systems A.A.S. Degree - Web Design Area of Concentration (435)	CIS 152 Cyberwatch – Microcomputer Operating Systems (Dual Enrollment) <b>OR</b>  CIS 270 Cyberwatch – Ethics for the Information Age (Dual Enrollment)	<ul style="list-style-type: none"> <li>CIS 109 - Introduction to Computers (3)</li> </ul>
<b>UPPER SHORE COUNTIES</b>	<b>High School Program</b>	<b>HIGH SCHOOL COURSES REQUIRING A GRADE OF "B" OR BETTER</b>	<b>ARTICULATED COLLEGE PROGRAM and Major Code</b>	<b>NEXT COLLEGE COURSE REQUIRING A GRADE OF "C" OR BETTER- Gateway Course</b>	<b>ARTICULATED COURSES (College credit will be given for the courses below IF all requirements have been met)</b>

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UPPER SHORE COUNTIES	HIGH SCHOOL PROGRAM	HIGH SCHOOL COURSES REQUIRING A GRADE OF "B" OR BETTER	ARTICULATED COLLEGE PROGRAM and Major Code	NEXT COLLEGE COURSE REQUIRING A GRADE OF "C" OR BETTER- Gateway Course	ARTICULATED COURSES (College credit will be given for the courses below IF all requirements have been met)
<b>DORCHESTER COUNTY</b>	Construction Design and Management	<ul style="list-style-type: none"> <li>Mechanical Drafting</li> <li>Architectural Drafting</li> </ul>	Engineering Technology: Drafting & Design AAS Degree (743)	ETT 110 - Concepts of Electronics (3 credits)	<ul style="list-style-type: none"> <li>DFT101 - Fund of Drafting/CAD (3 credits)</li> <li>CAD100 - Introduction to CAD (3 credits)</li> <li>ACH100 – Architectural Drawing/ CAD I (3 credits)</li> </ul>
	Construction Maintenance: Welding	<ul style="list-style-type: none"> <li>Principles of Welding I</li> <li>Principles of Welding II</li> <li>Intermediate Welding</li> <li>Advanced Welding</li> </ul>	Engineering Technology: Welding Advanced Certificate (776)	DFT 104 - Blue Print Reading (3 credits)	<ul style="list-style-type: none"> <li>WEL 100 - Arc Welding (3 credits)</li> </ul>
	Interactive Media Production	<ul style="list-style-type: none"> <li>Principles of Arts, Media and Communication</li> <li>Interactive Multimedia Production</li> <li>Advanced Interactive Multimedia Production</li> </ul>	Computer Information Systems: Interactive Media/Web Design AAS Degree (474) <b>OR</b> Interactive Media/Web Design Advanced Certificate (491)	IMD 171 - Desktop Publishing and Graphics Presentation (3 credits)	<ul style="list-style-type: none"> <li>IMD165 - Digital Graphic Design (3 credits)</li> <li>IMD190 - Digital Image Processing (3 credits)</li> </ul>
	Law Enforcement/ Criminal Justice	<ul style="list-style-type: none"> <li>Foundations of Homeland Security &amp; Emergency Preparedness</li> <li>Administration of Justice I</li> <li>Administration of Justice II</li> <li>Internship/Capstone Experience</li> </ul>	Criminal Justice: Law Enforcement AAS Degree (602) <b>OR</b> Law Enforcement Certificate (606)	CMJ 108 – Law Enforcement Administration (3 credits)	<ul style="list-style-type: none"> <li>CMJ101 – Introduction to Law Enforcement &amp; Criminal Justice (3 credits)</li> </ul>
	Culinary Arts (ACF)	<ul style="list-style-type: none"> <li>Culinary I</li> <li>Culinary II</li> <li>Culinary III</li> <li>Culinary IV</li> </ul>	Hotel/Restaurant Management: Food Service Management Certificate (655)	FSM 103 - Food Preparation I (3 credits)	<ul style="list-style-type: none"> <li>FSM 101 - Sanitation, Safety &amp; First Aid (3 credits)</li> <li>FSM 102 - Culinary Fundamentals (3 credits)</li> </ul>
	Teacher Education Academy of Maryland	<ul style="list-style-type: none"> <li>Human Growth &amp; Development</li> <li>Teaching as a Profession</li> <li>Curriculum Planning for Instruction</li> <li>Teacher Academy Internship</li> </ul>	Elementary Education/ Elementary Special Education AAT Degree (305)	EDU 210 - Introduction to Special Education (3 credits)	<ul style="list-style-type: none"> <li>EDU 101 - Foundations of Education</li> </ul>
	Curriculum for Agriculture Science (CASE)	<ul style="list-style-type: none"> <li>Introduction to Agriculture, Food &amp; Natural Resources</li> <li>Plant Science or Animal Science</li> <li>Animal &amp; Plant Biotechnology</li> <li>Agricultural Business, Research &amp; Development (Capstone)</li> </ul>	Agriculture: Production Area of Concentration (175) <b>OR</b> Agriculture: Sustainability Area of Concentration (176)	AGR 113 Soil Science (4 credits)	<ul style="list-style-type: none"> <li>AGR 101 – Introduction to Agriculture (3 credits)</li> </ul>

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<b>KENT COUNTY</b>	Teacher Education Academy of Maryland	<ul style="list-style-type: none"> <li>• Human Growth &amp; Development</li> <li>• Teaching as a Profession</li> <li>• Curriculum Planning for Instruction</li> <li>• Teacher Academy Internship</li> </ul>	Elementary Education/ Elementary Special Education AAT Degree (305)	EDU 210 - Introduction to Special Education (3 credits)	<ul style="list-style-type: none"> <li>• EDU 101 - Foundations of Education</li> </ul>
	Food and Beverage Management (ProStart)	<ul style="list-style-type: none"> <li>• Food Service Preparation I</li> <li>• Food Service Preparation II</li> </ul>	Hotel/Restaurant Management: Food Service Management Certificate (655)	FSM 103 - Food Preparation I (3 credits)	<ul style="list-style-type: none"> <li>• FSM 101 - Sanitation, Safety &amp; First Aid (3 credits)</li> <li>• FSM 102 - Culinary Fundamentals (3 credits)</li> </ul>
	Curriculum for Agriculture Science (CASE)	<ul style="list-style-type: none"> <li>• Introduction to Agriculture, Food, and Natural Resources (AFNR)</li> <li>• Principles of Agricultural Science- Animal</li> <li>• Animal &amp; Plant Biotechnology</li> <li>• Agricultural Business Research and Development (Capstone)</li> </ul>	Agriculture: Production Area of Concentration (175) <b>OR</b> Agriculture: Sustainability Area of Concentration (176)	AGR 113 Soil Science (4 credits)	<ul style="list-style-type: none"> <li>• AGR 101 – Introduction to Agriculture (3 credits)</li> </ul>

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<b>QUEEN ANNE'S COUNTY</b>	Teacher Education Academy of Maryland	<ul style="list-style-type: none"> <li>Human Growth &amp; Development</li> <li>Teaching as a Profession</li> <li>Curriculum Planning for Instruction</li> <li>Teacher Academy Internship</li> </ul>	Elementary Education/ Elementary Special Education AAT Degree (305)	EDU 210 - Introduction to Special Education (3 credits)	<ul style="list-style-type: none"> <li>EDU 101 - Foundations of Education</li> </ul>
	Construction Maintenance: Welding	<ul style="list-style-type: none"> <li>Principles of Welding I</li> <li>Principles of Welding II</li> <li>Intermediate Welding</li> <li>Advanced Welding</li> </ul>	Engineering Technology: Welding Advanced Certificate (776)	DFT 104 - Blue Print Reading (3 credits)	<ul style="list-style-type: none"> <li>WEL 100 - Arc Welding (3 credits)</li> </ul>
	Interactive Media Production	<ul style="list-style-type: none"> <li>Principles of Art, Media &amp; Communications</li> <li>Interactive Multimedia Production</li> <li>Advanced Interactive Multimedia Production (2)</li> </ul>	Computer Information Systems: Interactive Media/Web Design AAS Degree (474) <b>OR</b> Interactive Media/Web Design Advanced Certificate – (491)	CIS 109 - Introduction to Computers (4 credits)	<ul style="list-style-type: none"> <li>CIS 179 - Introduction to HTML (3 credits)</li> <li>CIS 115 - Microcomputer Applications Integration (3 credits)</li> <li>IMD 175 - Multimedia &amp; Web Design I (3 credits)</li> </ul>
	Business Management	<ul style="list-style-type: none"> <li>Principles of Business Management</li> <li>Principles of Accounting &amp; Finance</li> <li>Advanced Business Management</li> <li>Business Management Capstone</li> </ul>	Business Management Technology AAS Degree (401) <b>OR</b> Business Management Technology Certificate (402)	BUS 230 - Marketing (3 credits)	<ul style="list-style-type: none"> <li>BUS 101 - Introduction to Business (3 credits)</li> </ul>
	Curriculum for Agriculture (CASE)	<ul style="list-style-type: none"> <li>Introduction to Agriculture, Food and Natural Resources</li> <li>Plant Science or Animal Science</li> <li>Animal &amp; Plant Biotechnology</li> <li>Agricultural Business, Research and Development (Capstone)</li> </ul>	Agriculture: Production Area of Concentration (175) <b>OR</b> Agriculture: Sustainability Area of Concentration (176)	AGR 113 Soil Science (4 credits)	<ul style="list-style-type: none"> <li>AGR 101 – Introduction to Agriculture (3 credits)</li> </ul>
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<b>TALBOT COUNTY</b>	Culinary Arts (ACF)	<ul style="list-style-type: none"> <li>• Culinary Basic I</li> <li>• Culinary Basic II</li> <li>• Culinary Pathway I</li> <li>• Culinary Pathway II</li> </ul>	Hotel/Restaurant Management: Food Service Management Certificate (655)	FSM 103 - Food Preparation I (3 credits)	<ul style="list-style-type: none"> <li>• FSM 101 - Sanitation, Safety &amp; First Aid (3 credits)</li> <li>• FSM102 - Culinary Fundamentals (3 credits)</li> </ul>
	Interactive Media Productions	<ul style="list-style-type: none"> <li>• Principles of Art, Media and Communications</li> <li>• Interactive Multimedia Production</li> <li>• Advanced Interactive Multimedia Production (2)</li> </ul>	Computer Information Systems: Interactive Media & Web Design AAS Degree (474) <b>OR</b> Interactive Media & Web Design Advanced Certificate (491)	CIS 109 - Introduction to Computers (4 credits)	<ul style="list-style-type: none"> <li>• CIS 179 - Introduction to HTML (3 credits)</li> <li>• CIS 115 - Microcomputer Applications Integration (3 credits)</li> <li>• IMD 175 - Multimedia &amp; Web Design I (3 credits)</li> </ul>
	Business Management (Deleting 2019-2020)	<ul style="list-style-type: none"> <li>• Principle of Business Management &amp; Finance</li> <li>• Principles of Accounting &amp; Finance</li> <li>• Advanced Business Management</li> </ul>	Business Management Technology AAS Degree (401) <b>OR</b> Business Management Technology Certificate (402)	BUS 230 - Marketing (3 credits)	<ul style="list-style-type: none"> <li>• BUS 101 - Introduction to Business (3 credits)</li> </ul>
	Marketing	<ul style="list-style-type: none"> <li>• Principle of Business Management &amp; Finance</li> <li>• Principles of Accounting &amp; Finance</li> <li>• Introduction to Marketing</li> <li>• Advanced Marketing</li> </ul>	Business Management Technology AAS Degree (401) <b>OR</b> Business Management Technology Certificate (402)	BUS 230 - Marketing (3 credits)	<ul style="list-style-type: none"> <li>• BUS 101 - Introduction to Business (3 credits)</li> </ul>
	Teacher Education Academy of Maryland	<ul style="list-style-type: none"> <li>• Human Growth &amp; Development</li> <li>• Teaching as a Profession</li> <li>• Curriculum Planning for Instruction</li> <li>• Teacher Academy Internship</li> </ul>	Elementary Education/Elementary Special Education AAT Degree (305)	EDU 210 - Introduction to Special Education (3 credits)	<ul style="list-style-type: none"> <li>• EDU 101 - Foundations of Education</li> </ul>
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