

ADVANCED MANUFACTURING TECHNOLOGY

(PROGRAM #9200200)

The Advanced Manufacturing Technology pathway prepares students to meet the needs of worldwide trade industries. Companies are relying on skillful operators in advanced technology and automation in the manufacturing sector. Highly trained machine operators are in demand to operate precision machinery, systems, and processes.

Students in this pathway will participate in the following Career Technical Student Organization(s) (CTSO).
SkillsUSA, TSA

INDUSTRY, MANUFACTURING, CONSTRUCTION & TRANSPORTATION (IMCT)

PROFESSIONAL CAREER CERTIFICATIONS*

Industry Certification Title	CAPE college credits	Graduation online course requirement	Math/Sci Waiver (non-EOC)
Microsoft Office Specialist	N/A	YES	NO
CNC Production Specialist (IHK)	3 credits	YES	YES
MSSC Certified Production Technician	9 credits	NO	YES
Autodesk certified user: AutoCAD	3 credits	YES	YES
Certified SolidWorks Associate (CSWA)	3 credits	YES	YES
MasterCAM certified Programmer Mill lv1	N/A	YES	NO
MasterCAM associate, Mill design & toolpaths	N/A	YES	NO

POST SECONDARY OPTIONS

Options	Pathway	Career**	Avg. Salary**
COLLEGE / UNIVERSITY ENROLLMENT	Engineering BS Engineering Technology AS	Industrial Engineer Advanced Manufacturing Engineer CNC programmer Project Manger	\$70,326 \$75,295 \$58,011 \$83,382
REGISTERED APPRENTICESHIP	Advanced Manufacturing Apprenticeship	CNC Operator, Junior	\$69,721
WORKFORCE	Manufacturing Industry	CNC operator Machinist Tool & Die maker	\$14.70 / hr \$18.13 / hr \$22.38 / hr

COLLEGE SCHOLARSHIPS

<p>Florida Gold Seal Vocational Scholars (GSV)</p> <p>Funds 2-year programs: Technical College certificate or State College degree</p>	<p>The Florida Gold Seal Vocational Scholars (GSV) can be used to fund a career education or certificate program at a Technical or State College.</p> <p>To earn this scholarship students must:</p> <ul style="list-style-type: none"> • Complete 3 credits within a single pathway • 3.0 weighted core GPA & 3.5 unweighted GPA in the pathway courses • Minimum college ACT, SAT, or PERT scores <p>Click here to see the full eligibility requirements: www.floridastudentfinancialaid.org/SSFAD/PDF/BFHandbookChapter1.pdf</p>
<p>Florida Gold Seal CAPE Scholars (GSC)</p>	<p>The Florida Gold Seal CAPE Scholars award (GSC) can be used to fund a career education or certificate program.</p> <p>To earn this scholarship students must:</p> <ul style="list-style-type: none"> • Pass Industry Certification exam(s) equaling 5 or more college credits • Document a minimum of 30 service hours <p>Click here to see the full GSC eligibility requirements: www.floridastudentfinancialaid.org/SSFAD/PDF/BFHandbookChapter1.pdf Click here to see Industry Certification awarded college credits: http://www.fldoe.org/academics/career-adult-edu/career-technical-edu-agreements/industry-certification.stml</p>

SCHOOLS OFFERING THIS PATHWAY

High Schools:	Nova Piper
Middle Schools:	n/a

COURSE PROGRESSION

Course	Course #	Teacher Certification
Advanced Manufacturing Technology 1	9200210	Tech Education *see FLDOE frameworks for complete list
Advanced Manufacturing Technology 2	9200220	
Advanced Manufacturing Technology 3	9200230	
Advanced Manufacturing Technology 4	9200240	
Advanced Manufacturing Technology Capstone	9200250	

CAREER PATHWAY OPPORTUNITIES

CTE pathways offer students opportunities to continue their education after high school. Dual Enrollment pertains to students taking college courses while enrolled in high school. Articulation agreements allow students to earn college credit for CTE courses and industry certifications earned in high school.

Workplace Experience	CTE students have the opportunity to complete a pre-professional learning experience the summer after 11 th grade in their chosen field of study or career interest. www.browardschools.com/CTACE
Broward Technical Colleges	Students who have passed courses in a high school CTE program or earned an Industry Certification can apply those credits to the aligned postsecondary program. Contact a BTC Counselor for more information or follow the link to see how you can save time and money when you attend a Broward Technical College. http://www.browardtechnicalcolleges.com/articulation-agreement
Broward College	Students who complete a CTE pathway or earn an Industry Certification that aligns with Broward College's Associate of Science degree programs can earn FREE college credit. www.broward.edu/academics/cpl/pages/high-school.aspx

*Industry certifications offered may vary by school.
**Salary data collected from Indeed.com, 04/2017

CONTACT INFORMATION

Broward County Public Schools: Career, Technical, Adult and Community Education
754-321-8400 www.BrowardSchools.com CTACE@BrowardSchools.com

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Individuals with disabilities requesting accommodations under the American with Disabilities Act Amendments Act of 2008 (ADAAA) may call Equal Educational Opportunities/ADA Compliance Department at 754-321-2150 or Teletype Machine (TTY) 754-321-2158.

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