


Career Cluster: Manufacturing (STEM) Secondary CTE Program: 1080 Hours **Mechatronics** State Frameworks Pending

Academy Pathway: Innovation through Mechatronics Eligible Recipient: ATC Students on Target for Graduation

	ATLANTIC TECHNICAL HS OFFERS a 32 CREDIT HIGH SCHOOL DIPLOMA with 16 CORE CURRICULUM CREDIT REQUIREMENTS						
	ENGLISH 4 credits	MATH 4 credits	SCIENCE 4 credits, 2 with lab	SOCIAL STUDIES 4 credits	OTHER 8 credits PE; Health/Integrated Science; Fine Arts; Foreign Lang x2; SAT Prep/ Critical Thinking; Tech Studies; Computer	Technical Program of Study 8 Credits Concentrated in 1 of 26 Technical Programs of Study	AP Courses Offered: English Language/ English Literature/ Calculus/ Statistics/ American History/ Government/ Psychology/ Biology/ Spanish/ Physics/ Programming

HIGH SCHOOL	FAB 4 - No One Else Does It Better! Each student is provided the opportunity to obtain: a College Ready HS Diploma; Technical Program Completion Certificate w/ Dual Enrollment Quality Points; Industry Credential(s); Articulated Post-Secondary or College Credit								
	9	English I	Algebra I or higher as recommended by Guidance	Biology	Spanish I	PE	Music Appreciation	Health 1/2 credit/Integrated Science 1/2 credit	Computing for College and Careers
	10	English II	Geometry or higher as recommended by Guidance	Chemistry	World History	Spanish II	Technology Studies I	Psychology	Critical Thinking/SAT Prep/Advanced Reading
	11	English III	Algebra II or higher as recommended by Guidance	Physics	American History	Mechatronics I	Mechatronics II	Mechatronics III	Mechatronics IV
	12	English IV	Pre-Calc or higher as recommended by Guidance	Environmental Science	American Government/ Economics	Mechatronics V	Mechatronics VI	Mechatronics VII	Mechatronics VIII

OCPs Obtained Upon Completion of Program: Pending: A = Machinist Helper; B = Machine Operator; C = Mechatronics Machine Operator

POSTSECONDARY	Career and Technical Education programs are comprised of eight (8) courses and upon successful completion, may lead to industry recognized certificates, licenses, occupational opportunities and/or postsecondary education options. Please review some of the current available opportunities listed below.	
	Partners: Business and Industry Siemens AG; Sonny's Enterprises; Stimpson; Hoerbiger Corp. of America, Inc.; ACCUPLACE; SFMA; ABB; Technical Training Aids	Technical Dual Enrollment Requirements: <i>minimum</i> 2.0 GPA and TABE Exit Scores: R9 M9 L8
	Employment Opportunities Pending: Machinist Helper; Machine Operator; Mechatronics Machine Operator	Articulation Agreements SBBC to BC: Pending STATE OF FLORIDA: 15 Credits toward an AAS/AS Degree in Engineering Technology
	Industry Credential Opportunities for ATC Students Completing All Program Requirements:	Machining V-VIII: I480503 E-J
CAREER	Post-Secondary Career Options Engineer: Mechanical, Electrical, Industrial, Design, Software; Project Planner; Product Designer; Project Manager	Florida Ready to Work/ MSSC Certified Production Technician/ Siemens Level I Mechatronics System Assistant