

Jumpstart 2.0 Associate of Applied Science: Aerospace Manufacturing
Postsecondary Partner: Nunez Community College

Overview

The Aerospace Manufacturing Technology program provides classroom and hands-on training that allows students to develop the knowledge and skills to successfully perform the tasks required of an entry level Aerospace Manufacturing Technician. The curriculum was designed to be directly related to an in-depth task analysis for Aerospace Manufacturing Technicians, with content and courses mapped directly to expected job performance.

Capstone Credentials

Regional (Emerging)	Basic	Advanced	Fast Forward Advanced Plus
-OSHA 30	-Certificate of Technical Studies: Aerospace Manufacturing Technology	-Technical Diploma: Aerospace Manufacturing Technology	-Associate of Applied Science: Aerospace Manufacturing

**Core Academic Course*
***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
Technical Reading and Writing 125010	*English I 120331
Technical Math 165010	*Algebra I 160321
*Physical Science 150802	*Physical Education I 190105
Elective TBD by course selected	*Civics 220501/220504

Grade 10	
Semester 1	Semester 2
*Technical Writing 120350	*English II 120332
*Math Essentials 160351	*Transition to College Mathematics 165040
*Biology 150301	*1/2 Physical Education II 190106 ½ Health Education 190500
*U.S. History 220403	Elective TBD by course selected

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Comp I ENGL 1010	*English IV: DE-CENL 1013 English Composition I 120606	*College Algebra MATH 1300	*Algebra III: DE-CMAT 1213 College Algebra 160500
*Western Civilization HIST 1010	*Western Civ: DE-CHIS 1013 Western Civilization I 220446	Sociology SOCI 1100	DE Sociology 220601
**Industrial Plant Safety ARST 1030	**DE Industrial and Plant Safety 311921	**Quality Controls INDT 2070	**DE Quality Controls 313727
**Introduction to Aerospace ARST 1000	**DE Aerospace Science 150903	**Advanced Electronic and Electrical Assembly ARST 1760	**DE Advanced Electrical Electronics 310383
**Intro. To Electronic and Electrical Assembly ARST 1040	**DE Electrical and Electronics Engineering 141001	**Fluid Systems ARST 1050	**DE Fluid Mechanics 110331

Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Chemistry CHEM 1100	*Chemistry I: DE-CCEM 1103 Chemistry I 150414	**Print Reading ARST 1210	**DE Design, Blueprint Reading and Codes 310622
**Introduction to Mechanical Assembly ARST 1780	**DE Manufacturing Technology 110250	**Advanced Mechanical Assembly ARST 2700	**DE Manufacturing Process and Team Building 110256
**Composite Materials ARST 2780	**DE Materials and Processes 110005	**Welding for Aerospace ARST 2510	**DE Welding Technology 110230
**Hoist & Crane Equipment ARST 1500	**DE Hoist and Crane Equipment 890601	**Fabrication for Aerospace ARST 2790	**DE Manufacturing Tools and Equipment 110257
**Surface Prep, Coating, & Adhes ARST 2770	**DE Surface Prep and Coating 890602	** Job Readiness Skills INDT 2900	**DE Career Success Skills 080407

This pathway framework is an outline of how the approved courses can be implemented. Schools may opt to rearrange the order of course sequencing in order to meet local scheduling requirements. Additionally, Fast Forward pathways are dynamic and the Jump Start Review Panel will consider course equivalents on an as needed basis.