

**SAMPLE Fast Forward Jump Start 2.0 Pathway
RLMA 7**

Overview

The Fast Forward Jump Start 2.0 Pathway encompasses a vast array of careers or postsecondary pathways students may enter after earning an associate degree on a Louisiana Community and Technical College System (LCTCS) or Board of Regents approved satellite campus and dually earning a Jump Start TOPS Tech Career Diploma. Students will spend grades 9 and 10 on the high school campus earning required diploma coursework and the majority of grades 11 and 12 on the postsecondary campus earning the 9 courses required to earn a Jump Start TOPS Tech Career Diploma in addition to finishing required coursework and electives to earn an associate degree dually with a diploma.

Associate of Applied Science in Machine Tool Technology

The Associate of Applied Science in Machine Tool Technology is designed to prepare students with a combined practical approach to the study of machining and millwright. This program will prepare students to install conveyor systems, connect machinery to power supplies and piping, direct hoisting and setting of machines, and adjust the moving and stationary parts of machines to certain specifications. Students will learn troubleshooting techniques and strategies. They will shape metal parts on lathes, grinders, drill presses, milling machines and computer numerical controlled machines and utilize these parts in the repair of heavy equipment and machinery. The program includes making computations for dimensions and cutting feeds and speeds using precision measuring instruments, laying out of parts, and heat treatment of metals. Students will receive hands-on experience with pumps, gearboxes, and compressors. The NCCER curriculum is used.

Sample Capstone Credentials

Regional	Basic	Advanced	Advanced +
Career and Technical Certificate in Machinist/Millwright Helper	Certificate of Technical Studies in Machinist Apprentice	Technical Diploma in Machine Tool Technology	Associate of Applied Science in Machine Tool Technology
	NCCER Millwright Level 1	NCCER Millwright Level 2	NCCER Millwright Level 3 or higher

Sample Student Schedule

Grade 9	Grade 10
First Semester	
1 English: English I	1 English: English II
2 Math: Algebra I	2 Math: Geometry
3 Science: Physical or Environmental Science	3 Science: Biology I
4 Elective of choice	4 Elective of choice

Second Semester	
5 Health/PE: Physical Education I	5 Health/PE: ½ Health ½ Physical Education II
6 JS 1: Quest for Success	6 Math: Algebra II
7 Social Studies: Civics	7 Elective of choice
8 Elective of Choice	8 Elective of Choice

Student elects a regionally relevant Jump Start 2.0 Pathway and continues Dual Enrollment coursework at an LCTCS or Board of Regents approved satellite campus for grades 11 and 12.

Grade 11	
First Semester	Second Semester
1 English: DE English Composition 3 hrs.	1 English: DE Humanities Elective 3 hrs.
2 Math: DE Machine Shop Math 3 hrs.	2 Math: DE College Algebra 3 hrs.
3 JS 2: DE Orientation to Safety 3 hrs.	3 JS 5: DE Machinist I 4 hrs.
4 JS 3: DE Introduction to Machinist 4 hrs.	4 JS 6: DE Millwright I 4 hrs.
5 JS 4: DE Introduction to Millwright 4 hrs.	

Grade 12	
First Semester	Second Semester
1 JS 7: DE Machinist II 4 hrs.	1 JS 10: DE Advanced Millwright 4 hrs.
2 JS 8: DE Millwright II 4 hrs.	2 JS 11: DE Advanced Machinist 4 hrs.
3 Social Studies: DE US History 3 hrs.	3 Elective: DE Natural Science 3 hrs.
4 JS 9: DE Milling Operations 3 hrs.	4 Elective: DE Computer Numerical Control 4 hrs.

The student meets the requirements to earn a Jump Start TOPS Tech Career Diploma and an Associate of Applied Science in Machine Tool Technology.

Prerequisites

Minimum requirements as set by the Board of Regents, LCTCS or satellite campus.

Funding

Minimum Foundation Program (MFP) funding
Supplemental Course Allocation (SCA)/Course Choice funding
TOPS Tech Early Start funding
USDOE grant for early access to Pell

Business and Industry Partners

W. R. Grace
Allegis Group
Entergy Louisiana
Alcoa
IMI

Transportation

Transportation costs can be paid with Career Development Funds (CDF)