



# Franklin High School

## RUNNING START DUAL ENROLLEMENT PROGRAM

PATHWAY -  
ADVANCED  
MANUFACTURING

**FOR HIGH SCHOOL  
STUDENTS WHO WANT  
TO GET AHEAD!**

**Here's how it works -**

1. Be in your junior or senior year of high school
2. Tell your school counselor that you're interested in earning college credit
3. Take college classes with your teachers in your school
4. Graduate high school with 10 or more college credits!



LAKES  
REGION  
COMMUNITY  
COLLEGE

Do you like working with machines?  
Earn college credits now and consider a  
career in Advanced Manufacturing!

The Running Start Dual Enrollment Program between Franklin High School and Lakes Region Community College offers high school students the opportunity to take Advanced Manufacturing classes for college credit as early as their junior year.

The college courses are offered at free or reduced cost for high school students and satisfy high school graduation requirements. Ask your school how to participate and get a *Running Start* before graduation!

**About** - Advanced Manufacturing is the use of innovative technology to improve products or processes. This program was developed in conjunction with industry professionals with employment opportunities in a variety of areas and will provide students with an understanding of manufacturing operations and processes. Students will gain knowledge in materials, processes, quality control, machine operations, and management skills.

### Potential jobs within this field

- Machinist
- CNC Operator/Programmer
- Manufacturing Supervisor

### What if you take these courses and Advanced Manufacturing isn't for you?

Ask which courses could be transferable towards other degrees!

Course number	Course name	Number of credits	Cost (tuition only)
ENGL 100L	English Composition	4	\$0
MANF 131L	Blueprint Reading	3	\$0
MANF 120L	Machine Tool Math	3	\$0
	Social Science elective	3	\$150 or \$75
	Liberal Arts elective	3	\$150 or \$75
MANF 142L	Machine Processes	3	STEM/CTE scholarship eligible
MANFL	Manufacturing Processes	3	STEM/CTE scholarship eligible
ESNT 120L	College Essentials	1	
MANF 132 L	Solid Modeling	3	
MANF 151L	CNC Machines I	2	
MANF 152L	CNC Machines I Lab	2	
MATH 137L	Technical Algebra & Geometry	4	
MANF 211L	CNC Machines II	1	
MANF 212L	CNC Machines II Lab	2	
MANF 230L	CAD/CAM	3	
MANF 240L	Lean Manufacturing	3	
PHYS 125L	Technical Physics	3	
MANF 250L	Advanced CNC Machine Processes	4	
BUS 232L	Operations Management	3	
MANF 220L	Properties of Materials	4	
MANF 270L/MANF 280L	Advanced Manufacturing Capstone or Internship	3	

## The Savings

In partnership with LRCC, FHS offers students Running Start classes [highlighted in yellow] at no cost which allows students to accumulate 10 credits toward the LRCC Advanced Manufacturing associates degree. This adds up to a savings of \$2,150 on tuition!

Students interested in getting additional elective coursework out of the way while still in high school can take online classes through E-Start. [green highlight] We recommend that students consider taking classes at LRCC through the Early College program during their senior year in high school. Classes taken through Early College have a 50% tuition discount and the Manufacturing courses are eligible for the Governor's STEM/CTE scholarship.\*

\* Governor's STEM/CTE scholarship is a program through the State of NH and the Community College System of NH, eligible high school students taking dual or concurrent credit courses through Running Start, E-Start, and Early College can take up to 2 STEM (science, technology, engineering, and math)/CTE (Career and Technical Education) courses per academic year for free.

## How much money can you save?

Students can save up to \$3,400 in tuition by taking college classes through the dual enrollment programs. Taking college classes while in high school reduces the cost of the Advanced Manufacturing associates degree from \$12,900 to \$9,500.