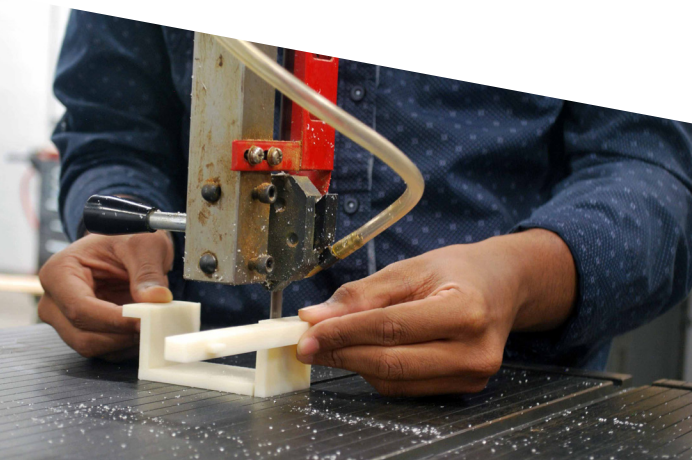


## The Advanced Manufacturing and Innovation Center

supports the continued preparation of 21st century learners in the fields of Science, Technology, Engineering, and Mathematics (STEM). Our mission is to develop innovative problem-solvers. Students will be engaged with post-secondary students, local businesses and NASA, encouraging joint project collaboration.

### Are You Ready To.....?

- ✔ Learn about manufacturing processes & materials
- ✔ Use tools and equipment to make what you can dream
- ✔ Earn an industry certification
- ✔ Read blueprints
- ✔ Use CAD & solid modeling software
- ✔ Develop product specifications
- ✔ Draw & make models



### ELIGIBILITY

As a Program of Emphasis, the Advanced Manufacturing program is open to:

- Students zoned for Lake Mary High School
- Out of zone students on an approved Program of Emphasis transfer
- Limited to incoming 9th grade students

For specific eligibility and application information, please visit the Student Assignment and Program Access website: [www.seminoleschoolchoices.us](http://www.seminoleschoolchoices.us)

### TRANSPORTATION

- Transportation is provided to eligible in-zone students living more than two miles from the school.
- Transportation is not provided for out-of-zone Program of Emphasis students.
- Approved out-of-zone transfer students may apply for transportation through the Ticket to Ride program ([bit.ly/SCPSTicketToRide](http://bit.ly/SCPSTicketToRide)). Through this program it is possible that a student may be granted access to pre-existing bus routes (pending space availability). This program does not create bus stops or bus routes and is not guaranteed for the duration of the transfer.



### FOR APPLICATION INFORMATION

400 E. Lake Mary Blvd.  
Sanford, FL 32773  
407-320-0329

[www.seminoleschoolchoices.us](http://www.seminoleschoolchoices.us)



### FOR PROGRAM INFORMATION

655 Longwood Lake Mary Rd.  
Lake Mary, FL 32746  
(407) 320-9550

[www.lakemaryhs.scps.k12.fl.us](http://www.lakemaryhs.scps.k12.fl.us)

## LAKE MARY HIGH SCHOOL



SEMINOLE COUNTY PUBLIC SCHOOLS

# ADVANCED MANUFACTURING & INNOVATION ACADEMY

Automation & Production Technology

---

The manufacturing program at Lake Mary High School helps students build a broad foundation of knowledge and skills to prepare them for postsecondary studies and careers in high-tech industries.

- Work in a state-of-the-art lab with CNC machines and laser cutters.
- Work with NASA Engineers and prototype lab machinists to create HUNCH (High schools United with NASA to Create Hardware) parts
- Internships with local manufacturing companies

## Available industry certifications include:

National Institute for Metalworking Skills (NIMS)

Manufacturing Skill Standards

Council-Certified Production Technician (MSSC-CPT)

Autodesk Inventor User



# Your Future Starts Here!

## CONSTRUCTION TECHNOLOGY\*

Building Trades & Construction  
Design Technology

---

Construction Technology focuses instruction on broad, transferable skills that can be used in the workplace. This program stresses the understanding of all aspects of the building construction industry with hands-on learning.

## Available industry certification includes:

Home Builders Institute Pre-Apprenticeship Certificate Training – Building Construction Technology (HBI PACT BCT)

\*Transfer students selecting this Program of Emphasis will be scheduled into Advanced Manufacturing Technology 1. Technical Design and Construction Technology are additional available programs at Lake Mary High School.

## TECHNICAL DESIGN\*

Drafting & Design Technology

---

Technical Design exposes students to a variety of fundamental skills utilized in entry-level CAD (Computer Aided Design) and design positions. It is a valuable course for students interested in Engineering, Architecture, or any design field at a post-secondary institution.

## Available industry certification includes:

AutoCad User

