

# Ohio MEMS Association

---

## Microsystems Academy

### **Student Profile** *and* **Program Highlights**

#### **Typical Student Profile**

- Currently enrolled in High School or equivalent.
- Expresses an interest in science, math, physics, or chemistry;
  - Is on a college preparatory track,
  - Has taken advanced math courses (desired, not required),
  - Has taken chemistry or physics classes (desired, not required).
- Must have a sponsor to enter the Academy
  - The sponsor is not a financial sponsor, but an individual or organization (parent, church, E City, etc.)
- Fifteen to eighteen years of age during the current Academy session.

#### **Classroom Sessions**

- Baseline program is 8 weeks long, involving 24 classes of about 1.5 hours each.
- Representative of college –type schedule.
- All fees and costs for this class are paid for by Ohio MEMS Sponsors.

#### **Classroom Structure**

- Ninety minute classes are informal, interactive, and are divided between lecture and hands-on activity.
- Classes are held at the Midtown Innovation Conference facility.
- Students without access to computers or Internet can use Academy facilities before and after class.
- Given the intense nature of this activity, students that miss more than 1 or 2 classes will be at a disadvantage relative to other class members.
- Parents/guardians are welcome to sit-in the class to better understand the training environment and structure to provide effective home support.

#### **Outcomes and Expectations**

- There is no final grade for the course; this is not a pass/fail situation
- A “Certificate of Completion” from the Microsystems Academy will be provided to each student who
  - Misses no more than two class sessions, and
  - Gives an In-Class presentation, MEMS subject of their choice.
- Students with Certificates of Completion will have the opportunity to interview for internship work with start-up companies.