

# 2018 STEM Summer Programs

for middle school,  
high school,  
college,  
and graduate students

Since 2013, the Worcester County Department of Economic Development has provided a STEM summer enrichment continuum for students ages 12-24. Our STEM Summer Programs connect Worcester County STEM businesses with the future workforce and provide opportunities for classroom studies to be applied to real life tasks. Campers are exposed to a variety of engineering topics over a two week period, including computer programming, robotics, electronics, and aerospace engineering. In 2016 the STEM Leadership Cohort was added to develop career readiness skills for high school students pursuing STEM fields of study. The STEP UP STEM Internship Program is a highly selective program offering paid internships onsite with local STEM employers for graduating seniors, college students, and graduate students.

**CONTACT**  
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[www.ChooseWorcester.org/STEM](http://www.ChooseWorcester.org/STEM)

## Worcester County ECONOMIC DEVELOPMENT



### Reach for the Stars STEM Camp

Mondays-Thursdays, 9 am-4 pm, July 16-26

Eligibility: Worcester County resident students currently in grades 6-8

There is no cost for camp.

*\*Priority admission is offered to students who are historically underrepresented in STEM fields and first-time camp applicants. The 2018 camp will include several of the same activities as previous camps.*

Campers will participate in hands-on activities and engineering challenges with dynamic instructors to learn about computer programming, robotics, and aerospace engineering. This camp is held at the Red Doors Community Center on 3rd Street in Ocean City, includes instruction with the NASA House Robotics Team, and will take field trips around Worcester County and to NASA Wallops Flight Facility. Free van transportation is provided from central pickup points in Pocomoke, Snow Hill, and Berlin.

### Worcester STEM Leadership Cohort

July 10, 12, 19, 26 from 9 am-3 pm

Eligibility: Worcester County resident students currently in grades 9-11

Each participant will be paid a stipend of \$200.

The STEM Leadership Cohort will participate in professional development sessions on a variety of career readiness topics, including resume writing, interview skills, workplace communication, conflict resolution, leadership, and entrepreneurship. Students will receive mentorship from several of our STEM workforce partners and participate in a workshop at NASA Wallops Flight facility, Hardwire LLC, and UMES Engineering and Aviation Sciences. Some STEM leadership students may also be selected for early placement as a STEP UP Intern depending on availability of internships.

### STEP UP STEM Internship Program

Schedules vary depending on employers.  
100 total hours between June 1 and July 26

Eligibility: Worcester County residents currently in grade 12, college students, and graduate students who maintain residency in Worcester County (including those students who reside out-of-county or out-of-state at college during the academic year) or whose parents are Worcester county residents.

Each intern will be paid for 100 total hours at \$11/hour. Schedules are determined by the employer and allow for students to have additional employment at other summer jobs.

The STEP UP Internship Program is designed to provide students committed to higher education in STEM with the opportunity to gain hands-on local work experience in a related career field. STEP UP internships include placements at NASA, Orbital ATK, Hardwire LLC, Atlantic General Hospital, local medical settings, software companies, engineering firms, environmental science agencies, and digital media production companies. STEP UP STEM Interns participate in paid professional development sessions throughout the internship experience teaching valuable career readiness skills.

Applicants to NASA and Orbital ATK are selected through a separate process and will also need to complete applications through the NASA federal or Orbital corporate processes by March 1. Instructions on reverse.

Apply online at <http://www.chooseworcester.org/STEM>  
from January 23 through March 31. NASA applications due March 1.

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**ECONOMIC  
DEVELOPMENT**



## How to Apply

Applications for all three components of the program can be completed online at <http://www.chooseworcester.org/STEM> from **January 23 through March 31**.

Supporting documents are requested, including transcripts, an online essay, and an online recommendation. Transcripts should be mailed to: Worcester County Economic Development, STEM Summer Programs, 100 Pearl Street Ste B, Snow Hill, MD 21863.

### Reach for the Stars STEM Camp

Middle school camp applicants do not need to interview. Potential campers will be notified of status on or before April 16, 2018.

### Worcester STEM Leadership Cohort

High school applicants will be interviewed in person at the Economic Development Office in Snow Hill. Those interviews will be scheduled for April and students will be notified of interview dates on Monday, April 2, 2018. Applicants will be notified of acceptance status by May 1, 2018.

### STEP UP STEM Internship Program

College and graduate students will be interviewed via Skype, Facetime, or Zoom. High school seniors will be interviewed in person at the Economic Development office in Snow Hill. **Interviews will take place on a rolling basis as applications are received, so early application is encouraged!** Placements will begin in February and be finalized by May 1, 2018. WCED placements are for 100 total hours, so students will also have time to work other summer jobs. Applicants seeking a full time paid placement at at NASA Wallops Flight Facility must apply through the federal application process at <https://intern.nasa.gov/> in addition to applying for the WCED STEP UP Program through <http://www.chooseworcester.org/STEM>. NASA's intern selection process is nationwide and takes place in March, but special funding is available to place Worcester students who apply to both WCED and NASA. Applicants seeking a full time paid placement at Orbital ATK in Wallops Island, VA must apply at <http://jobs.orbitalatk.com> in addition to applying for the WCED STEP UP Program through <http://www.chooseworcester.org/STEM>. Orbital ATK's selection process is nationwide, so be sure to select Wallops Island, VA and Engineering Intern. Applicants need to have completed at least two years of college to be considered for an Orbital ATK internship.

**Application Deadline: Saturday, March 31, 2018**  
**NASA Internship Deadline: Thursday, March 1, 2018**  
<http://www.chooseworcester.org/STEM>