



MAKER CULTURE ★

SUMMER SHORT COURSE JULY 3-23, 2016

In recent years, emerging technologies like consumer laser cutters and 3D printers have captivated the popular imagination. At the same time, Maker culture has grown dramatically. Three visions of the future grow with these technologies and cultural movements, but there are inherent contradictions between them. In this short course, students will explore these visions of the future while they juxtapose reality and possibility, mastering maker tools and examining hidden assumptions.

At the end of this course, students will be able to conceive, design, and prototype hardware using technology available on campus at MSU: widely available software tools, 3D printers and laser cutters, and sensor-controller-actuator kits like Arduino and Flora. Students will be able to reflect critically on the cultural assumptions and effects of their designs and communicate effectively about the political consequences of design decisions.

Class is expected to run Monday through Thursday for three (3) hours each day from 9:30 am to 12:30 pm. Students should also expect approximately eight (8) hours a week of homework including group and project work.

Students will live on MSU's campus at Owen Hall (<http://liveon.msu.edu/rivertrail/owen>) and make new American and international friends from across the globe. A meal plan is included.

The program will include various academic excursions relevant to the course content, as well as other cultural activities such as:

- ★ local events, festivals and shopping
- ★ weekend in Chicago
- ★ weekend in Niagara Falls

When students arrive on campus, they will attend a welcome reception. At the end of the program, a special graduation banquet will take place.

The American Semester Program

The American Semester Program (ASP) provides a non-degree international education experience through which students can take courses in a large research-intensive American university as a compliment to undergraduate degree studies at their home institution.



**MICHIGAN STATE
UNIVERSITY**

MORE INFORMATION

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