



FORT PECK
COMMUNITY COLLEGE



Summer 2017 Undergraduate Research Program at Fort Peck Community College

The FPCC NSF-TCUP Summer Undergraduate Research Program provides students with valuable hands-on research and Lab experiences in the field of science. It fosters interest and attracts students into careers in Science and Engineering. The FPCC summer research program is available for high school and college students.

Four research projects will be implemented in the summer 2017. The following are the names of the instructors, dates, times, and locations of the research projects:

1. **Dr. Coon** (scoon@fpcc.edu): 6/05/2017- 7/14/2017 , MTWRF 10:00 am - 4:00 pm, FPCC SCILB SC 2 in Poplar

Water Quality on the Fort Peck Reservation: Students will be given projects in water quality sampling and analysis. This will involve analyzing various dissolved compounds as well as living organisms in different water sources on the reservation.

2. **Dr Lamsal** (clamsal@fpcc.edu): 7/03/2017- 8/11/2017, MTWRF 9:00 am - 4:00 pm, DUMNT 103 in FPCC Wolf Point

Building and Programming Raspberry Pi and Arduino based Robots: Each student will be given a project which consists of building, programming and testing a robot of his/her interest. Students will also learn basic computer programming skills using Matlab.

3. **Dr. Carl J. Yeoman** (carl.yeoman@montana.edu) from MSU, Bozeman: 6/05/2017- 7/14/2017, MTWR 9:00 am - 3:00 pm, FPCC SCILB in Poplar

The internship will involve learning about **bacteria** that live in and on us, contributing to our health or causing disease. Students will also take part in research by processing human specimens and analyzing data. Laboratory techniques and safety training will be provided.

4. **Dr. Christa Merzdorf** (merzdorf@montana.edu) and **Dr. Jennifer Forecki** (jforecki@montana.edu) from MSU, Bozeman: 7/10/2017- 7/14/2017, MTWRF 8:00 am - 5:00 pm, FPCC SCILB in Poplar

Immersive Research Course Using Zebrafish: This intensive 1-week course (Monday-Friday, 8 h per day) seeks to immerse students in research projects. This course teaches the research mindset and, therefore, is applicable to students majoring in Biology, Nursing and any other health-related major, Biochemistry, Chemistry, Engineering, Psychology, Sociology and any other students with a serious interest in scientific research.

Program Benefits and Highlights:

- ❖ 32 college and high school students (currently Juniors & Seniors) can participate in the research project
- ❖ Earn \$12/hour plus Travel Allowance (gas money)
- ❖ Receive 3 college credits
- ❖ Work on exciting and relevant research projects in the areas of environmental science, Biology, and robotics
- ❖ Work under the supervision of qualified research scientist
- ❖ Chance to attend a national conference where all travel expenses are paid

Contact Information: Dr. Ali Wehbe (awehe@fpcc.edu) or 406-768-6386 or call FPCC at 406-768-6300

High School students: Sign up for the research program with your high school counselor or contact Dr. Ali Wehbe

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