

8th Annual GIT Workshops

March 3, 2009

**“TECHNOLOGY IS NOT JUST
FOR GEEKS”**

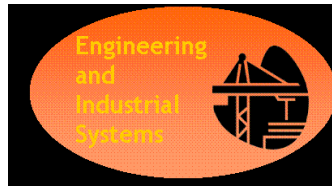


Instructions: Students select a workshop series from 1-13. Indicate 1st, 2nd, or 3rd choice on the registration list.



Career Cluster

- ___ 1. **Vet Tech** **Dr. Jody Rockett, Asst. Professor, CSI** **CSI Vet Clinic**
Fluorescence Stains and Eye Dissection
Designed to give students a greater appreciation for ocular abnormalities this module focuses on eye anatomy and detection of corneal ulcers in the dog. Dissection of formalyn fixed sheep eyes will be followed by a discussion of common eye diseases as they relate to ocular anatomy. Students will then stain a dog's eye using a non-invasive corneal stain.
- Aquaculture** **Dr. Terry Patterson, Professor, CSI** **CSI Fish Hatchery**
Can you guess how many fish are in a pond?
It is difficult to actually count how many fish might live in a pond but there are other ways to find the population. Students will sample count by accurately weighing and counting small groups of fish. Students will then use the sample count to calculate the actual population in the pond.
- ___ 2. **Renewable Energy!** **Dr. Ross Spackman, Professor, CSI** **Evergreen A-05**
WATTS UP? Assisted by Renewable Energy Class, students will learn the basics of green energy production with solar panels and wind energy principles. Students will assemble solar panels and experiment with a bicycle generator providing electricity to run a small electric motor. Careers for this cutting edge science will be discussed.
- Food Quality** **Jennifer Holtzen, Chemist** **IFQA Lab**
The Idaho Food Quality Assurance Laboratory analyzes food commodity and environmental samples for pesticides as well as performs potato cyst nematode analysis. The staff is about two-thirds Idaho State Department of Agriculture employees and one-third CSI interns involved in the Laboratory Assistant intern program. Students will tour the lab and demonstrate the steps involved in analyzing samples, discuss the intern program, do a few small experiments, and have questions answered.
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- Horticulture** **Dave Kiesig, Associate Professor** **CSI Greenhouse**
Symbiotic Partners - Plants and People' (can't live without 'em) Participants will vegetatively reproduce a plant during this class that they will be able to take home with them.



Career Cluster



Career Pathway

- ___ **4. Web Design** **Scott Henshied & Web Design team** **GRM Library 101**
Participants will explore the essential elements of effective web design and development, including some of the most popular software packages and programming languages used by webmistresses. The workshop will include some fun hands-on exercises.
- ___ **Dell Computers** **Delaney Calbo, Dell Trainer** **Canyon 121**
Students will be given a brief overview and history of Dell Computers. Focus of the presentation will feature manufacturing, engineering and call center operation careers. A tear down of computers will be demonstrated. Students will be able to do some hands on learning.
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- ___ **Micron Technology** **Kira Lunde & Melissa Gledhill, Engineers** **Evergreen C-95**
Engineer your future: Engineering is dynamic. Discover how engineers are making a difference in our planet, in everything from how we communicate, to medical procedures, and automotive safety.
Engineering is about solving problems. Explore the processes that engineers use to design, develop, test and refine new solutions to real-world problems through a challenging hands-on activity. Anyone who gets 'egg'-cited solving challenging problems would make an 'egg'-cellent candidate for engineering.
Engineering is about making improvements. Learn how you can be a part of future innovations and problem solving in rewarding careers in technology with math and science as the building blocks. You can make a difference AND have a challenging/fun career at the same time
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- ___ **Graphic design** **Daryl Hunt, CSI Instructor** **GRM Library 101**
Students will be introduced to Photoshop and learn about the program's capabilities. They will work with Adobe Photoshop to manipulate graphics, applying filters and special effects, as well as basic compositing techniques. Students will also learn about career options in the graphic design field.



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Career Pathways

7. Welding Technology

John Peterson Instructor, CSI

Desert 105

Students will tour the welding shop and participate in demonstrations featuring a variety of equipment. The Electric Eye Plasma Cutter will be used to cut a hummingbird out of steel. Students will grind and color metal designs. Job Opportunities for women in welding and fabrication careers will be discussed.

Civil Engineering

Jackie Fields, Twin Falls City Engineer

TAB 258

"Engineering - Let's Talk Lifestyle"

What does an Engineer do? What are the varieties of Engineering careers? Why can a career in Engineering fulfill a woman's life goals? How do we get there from here? Students will engage in a project to construct/test.

8. Environmental Engineering--Karen Cummings, Engineer, Amalgamated Sugar Co. TAB 256

A brief description of engineering discipline and various types of Engineering and how to become an engineer will be provided to students. In addition, personal experiences will be shared along with the knowledge and skills required in the present job, job satisfaction, and personal satisfaction.

Manufacturing Technology

Ben Hamlett, CSI Instructor

Canyon 122

Manufacturing Technology is an excellent program for women. Students will visit the campus classroom, watch a video tour of the off-campus lab, and participate in hands-on projects related to manufacturing. Students will learn about manufacturing facilities in the Magic Valley and how the future of manufacturing is advancing.

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Career Pathway

10. Law Enforcement

Brett Reid, Assistant Professor CSI

Canyon 201

How law enforcement and technology have merged and the importance of use of force issues, investigation techniques, and the increase in hiring of females in law enforcement.

Aeronautics

Mary LaMoy, Pilot, Idaho 99's

SUB 248

Students will learn about fighting forest fires with airplanes, from the experiences of a woman smokejumper pilot. We'll discuss the skills and decision-making required to "get the job done" on a typical day. We'll also explore the dynamic world of aerial research flying, performing highly specialized flight operations for governmental and scientific agencies.

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Automotive Technology **David Rodriguez, Assoc. Professor,** **CSI Canyon 130**

Automotive Technology is for women, too. Students will tour the Automotive Classroom, participate in demonstrations of the technology, and become aware of changes in the Automotive world.

___ **12. Electronics** **SSgt. Jesus Gonzalez, Idaho National Guard** **Armory**

Female Communications soldiers will demonstrate military use of electronics equipment. Students will participate in demonstrations of a satellite hummer, a medical hummer and a RAVEN team (a remote control camera plane). A female commissioned officer will discuss the course for female officers in the military.

Autobody Technology **Janeen Dalton, CSI Autobody Graduate** **Canyon 128**

Technology impacts the Autobody Technician's world. Students will participate in demonstrations of the steps to repair a fender, cover dent repair, the use of plastic fillers, primer usage, and painting. Careers in Autobody will be discussed.

___ **13. Diesel Tech** **Levi Perkins, Instructor, CSI** **Desert 104**

The Diesel Workshop will include an explanation of the average wages and placement rates for diesel mechanics in the Magic Valley who graduate from the CSI Diesel program. Students will also have the opportunity to see and have hands on experience with several mockup displays of different truck systems, including engines, chassis, electrical, and suspension parts. The workshop will also include information for future students to prepare themselves while in high school for college and a career in the diesel industry.

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___ **14. Biology** **Dr. Pat Seleyo, Professor, Biology** **Shields 204**

The women in the College of Southern Idaho Biology department will describe their varied experiences in the field of science. Various protists (small microorganisms found in water samples) will be observed. Students will view a technique used to compare DNA samples; a process called electrophoresis.

Nursing Science **Valerie Warner, Chair of RN Department** **Aspen 140**

Experience the excitement of nursing as you take turn being nurses and patients. You will learn how to do a basic assessment and what important things you, as a nurse, would be looking for in your patients!

___ **15. Dental Science** **Cindy Harding RDHMS Asst Professor, CSI** **Aspen 182**

Students will be guided through the dental lab and receive information about program education. Students will be able to act as patients and providers, hands on participation. While exploring the depths of the oral cavity participants will disclose the teeth to determine effective hygiene.

Paramedic Technology **Gordon Kokx, Professor, CSI** **Aspen 179**

Students will receive information about technology in Emergency Medical Education. It will feature web-based learning, virtual simulation, and the human patient simulator.