

College of Engineering and Applied Science Counselor Workshop

About: Counselors from around the state are invited to engage in a series of presentations and demos led by faculty from the CEAS to learn more about the different fields of engineering and applied science. Participating counselors will receive a \$150 honorarium and free dinner.

This workshop is being held in conjunction with the annual Professional Development, Engagement, Advancement and Knowledge (PEAK) Conference on February 16th and 17th, organized by our Admissions Office. This is a great opportunity to connect with other counselors and administrators from around the state.

Date/Time: Wednesday, Feb. 15th from 4:00-7:30pm

Registration for the College of Engineering and Applied Science evening program and PEAK will be live on Wednesday, January 11th, 2017. For more information about the event, including hotel options, parking and the agenda, please visit the website: www.uwyo.edu/peak.

If you have any questions about the Engineering and Applied Science workshop, feel free to contact Teddi Hofmann, Program Coordinator, at thofmann@uwyo.edu.

If you have any questions about the PEAK conference, please contact Adrienne Loveland at 720-946-9678 or weisz@uwyo.edu.

The **2017 Engineering Summer Program for Teachers (ESP4T)** is a weeklong professional development workshop in Laramie, Wyo., focusing on the use of Arduino and Raspberry Pi to teach Science, Technology, Engineering and Mathematics (STEM) for K-12 students.

More about ESP4T:

What: Professional Development workshop for K-12 teachers with a focus on STEM.

Why: Support teachers in developing the tools and skills necessary to effectively implement engineering in the classroom, which is now a key component of the Wyoming State Science Standards.

How: Faculty from the College of Engineering and Applied Science, College of Education, and Science and Math Teaching Center will provide content, strategies for implementation, and technical support.

Resources/Tools: Arduino and Raspberry Pi

2017 Workshop Dates:

Beginner level: July 10-14th, 2017

- Intro to Programming and hands-on exploration using Arduino's and Raspberry Pi's

Advanced level: July 17-21st, 2017

- Participants should have sufficient background using Arduino and/or Raspberry Pi and will learn to effectively use these tools to integrate engineering in the classroom.

Workshop Participant Expectations:

- Attend 1-week summer program (40 hrs)
- Attend two follow-up workshops (total: 10 hrs) during the academic year.
- Complete Web tutorials and submit classroom implementation and final reports (30 hrs).

Workshop Participants will receive the following items:

- UW credit and/or PTSB credit on successful completion of 80 hr expectations.
- Stipend: \$1,000 will be awarded to those participants who complete the summer, 2017 workshop and an additional \$500 will be awarded to those participants who complete the two follow-up workshops.
- Materials: Participating Teachers new to the ESP4T workshops will receive Arduino and Raspberry Pi loaner kits to use in their classroom.
- Lodging: Participants can choose to use free lodging (UW dorms), or commute.
- Food: All participants will be provided with breakfast, lunch, and dinner during the workshop days.
- Travel: Participants will be eligible to apply for a travel scholarship.

To register, visit our website: <http://www.uwyo.edu/esp4t/>

Registration deadline: Tuesday, Feb. 14th, 2017

The Beauty & Joy of Computing Summer Teacher Workshops

These workshops will prepare teachers to instruct the new AP Computer Science Principles in their schools or to supplement existing courses with coding and computational thinking activities. Participants will learn *Snap!*, an easy to use interface for graphical programming.

Stipend & travel reimbursement will be provided, and 1-3 hours of Graduate or PTSB credit will be available. The dates are July 10-13, 17-20, and 24-27. For more information, and to apply, contact Lynne Ipina (ipina@uwyo.edu), Ruben Gamboa (ruben@uwyo.edu) or Dan Stanescu (sstanescu@uwyo.edu).
