

# Underwater Robotics & Engineering Design

## Arizona Project WET and MATE



💧 Investigate 💧 Innovate 💧 Integrate



Arizona Project WET in collaboration with Marine Advanced Technology Education (MATE) is providing this exciting offering for 5<sup>th</sup>-12<sup>th</sup> grade educators!

### Using MATE & APW materials:

- ✓ Investigate the Central AZ Project delivery system
- ✓ Understand how ROVs are used in the water industry
- ✓ Engage in the engineering design, building, and testing of marine ROVs
- ✓ Develop an understanding of buoyancy, hydrodynamics, forces, energy, electrical circuitry, wiring, soldering, and control systems
- ✓ Integrate ROVs into a class or club



### Dates

July 9-12, 2019  
4-day Academy  
8:30 AM – 5:00 PM  
University of Arizona  
Ag Education Center  
4101 N Campbell Ave

### Benefits

- ✓ Build the skills and confidence you need to teach engineering design of ROVs to students
- ✓ **Receive \$400 worth of tools, an ROV kit, and lessons**
- ✓ Your students will be eligible to participate in AZ Regional MATE competition in Spring 2020



### REGISTER NOW

- ✓ **\$200 registration fee required**
- ✓ Register at [bit.ly/APWROV19](http://bit.ly/APWROV19)
- ✓ Priority for Arizona teachers ends May 15, 2019

Questions? – Contact Betsy Wilkening [ewilkening1@email.arizona.edu](mailto:ewilkening1@email.arizona.edu) or Holly Thomas-Hilburn [hhilburn@email.arizona.edu](mailto:hhilburn@email.arizona.edu)



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