

Utah State University 2018 Robosub Team

The Utah State University Robosub team is an undergraduate engineering team dedicated to creating a new generation autonomous underwater vehicle for the AUVSI Robosub competition. The team is comprised of undergraduate students at Utah State University from various engineering disciplines. With students in the software, electrical, and mechanical teams, members get the chance to get involved in the large range of engineering design challenges that the Robosub competition grants. This is the perfect way for the members to hone their passion for robotics and engineering in more than just their specific discipline.

This year's design although similar to last year's design is a completely new build. With four years of combined research and development, this year's vehicle is an improvement on all previous designs. Poseidon is lighter, more durable, and stronger than ever before. The submarine boasts new features such as a completely redesigned electronics stack, dual torpedo launchers, dropper, and a complete redesign of the vision processing system and decision making skills. The improvements to the design allow this year's team to tackle more of the competition than we ever have in the past, a testament to the hard work of this year's members.