The MATE Center
Addressing the Need for a Qualified Workforce

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STUDENT DEBT IS NEARING 1 TRILLION DOLLARS. Could this be the next bubble to burst? Go inside the debt crisis that could keep taxpayers on the hook for generations.
Background on the Marine Advanced Technology Education (MATE) Center

- MATE Center founded in 1997

- Headquartered at Monterey Peninsula College in California, it is a national partnership of close to a 1000 colleges, universities, high schools, middle schools, elementary schools, marine industries, and professional societies.

- Funded in part by the National Science Foundation’s Advanced Technological Education (ATE) Program, the ITEST Program and the REU program; industry contributions; and SeaMATE store sales.
MATE’s mission is to use marine technology to create interest in and improve science and technology education and to provide the marine technical workforce with well-educated technical professionals.

A hallmark of all MATE’s programs, products and services is that they are aligned with ocean workforce research and trends.
MATE Center Programs

- At-Sea Internships
- Textbooks, Curriculum, ROV Kits
- Partnerships
  - 800+ Academic Institutions
  - 180+ Industry partners
  - 6 Professional Societies
  - 8 Federal Agencies
- Underwater Robotics Competitions
- Workforce Studies
- Career Awareness
- Teacher Education

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# MATE Strategy for Improving the Marine Technical Workforce

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Knowledge and Skill Guidelines

- Job functions & tasks
- Personal characteristics
- Occupational titles
- Educational backgrounds
- Salary range
- Instruments and tools used
- Professional societies and conferences
- Future trends and more
MATE/UNOLS Internship Guidelines

The Attitudes and Attributes of a successful intern are as follows:

- Resourceful
- Responsible
- Self-starter
- Able to communicate clearly both orally and in writing
- Patience
- Attention to detail
- Able to read and interpret manuals
- Able to troubleshoot and problem-solve
- Confident in decision making
- Able to work independently and in teams
- Able to recognize his/her limitations, seek help as needed
- Able to define & grasp the essence of the problem
- Follow-through, does not leave jobs unfinished
- Knowledge of and ability to use good customer relations skills
- Able to multi-task
- Able to think outside the box

Ask me for a copy

Plus much more!
Faculty Institutes

- Engineering Design
- Introduction to ROVs
- Marine Geospatial Technology
MATE Underwater Robotics Competitions

23 regional contests across the U.S. & around the world
At Sea Internships
Career Awareness and Career Management
Is a Social Enterprise that provides community college students with workplace experience while creating products and services which promote marine technical education.

- Manufacturing skills
- Business and marketing
- Customer relations & customer training
- Peer to peer training
- Quality control
- Entrepreneurism
- Networking with professionals
Questions?

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