Creating Leaders for our United States Coast Guard

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Dean of Academics

United States Coast Guard Academy
Shared Learning Outcomes

- Leadership Ability
- Personal and Professional Qualities
- Critical Thinking Ability
- Ability to Acquire, Integrate and Expand Knowledge
- Ability to Communicate Effectively
United States Coast Guard Academy

USCGA Core Curriculum – Components

Well Being/Physical
Professional
Leadership
Liberal Arts
Technical

11/12/2010
Academic Majors

• Government (international affairs track/public policy track)
• Management
• Marine and Environmental Sciences (chemistry/biology/physics-2 of 3)
• Operations Research and Computer Analysis
• Civil Engineering
• Electrical Engineering (systems emphasis/computer emphasis)
• Mechanical Engineering
• Naval Architecture and Marine Engineering
Our Changing World-Curricular Evolution

Activities/Project-based study
Elective Courses
Outside Sponsorship
Enhanced Course Management Tools
Pedagogical Variations/Methodologies
Co/Extra-Curricular Experiences

- Scholar’s Projects
- Advanced Research Projects
- Directed/Independent Research
- Capstone Courses/Projects
- Honor’s Program
- Internships
Undergraduate Research

Benefits

- Attracts students to majors/careers (particularly in STEM)
- Strong mentoring relationships
- Cross disciplinary dialogues
- Develop motivation and confidence to persist
- Desire to advance studies-lifelong learning
- Ability to handle open ended problems-uncertainty

Costs

- Strain on faculty-partnership management
- 200 week cadet program
- Tremendous pressure on limited technician and admin support
- Limited mechanisms for accepting non-appropriated resources (people/funds)

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Partnerships/Connectivity

CG Field Units
CG Directorates
Government Labs
Other Colleges/Universities
Leadership Development Center
Institute for Leadership
Center for Maritime Policy and Security Studies
Unique Capacity/Capability
Tow Tank/Circulating Water Channel
SIPRNET Classroom (Secret Internet Protocol Router Network)
Ship Bridge/Radar Simulator
Cyber-Defense/Network Security Laboratory
Training Vessels/Boats