### NAVY DIVER

**Title:**

NAVY DIVER

**Exhibit Dates:**

10/16–Present.

**Summary:**

Navy Divers (ND) perform underwater salvage, recovery, repair, and maintenance on ships and submarines; search for and recover downed aircraft; conduct harbor clearance operations; provide assistance to military, federal, state, and local civilian law enforcement agencies in diving operations and procedures; maintain and repair diving equipment and systems; research and develop new diving techniques and procedures; conduct submarine rescue operations; maintain forms, records, correspondence, and files; and perform and supervise recompression chamber operations, hyperbaric treatment for diving and non-diving illnesses, open and closed-circuit Underwater Breathing Apparatus (UBA) diving, surface-supplied air and mixed-gas diving operations, demolition operations, and small arms proficiency.

**Credit Recommendations**

<table>
<thead>
<tr>
<th>Recommendation, ND3</th>
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<tbody>
<tr>
<td>In the lower-division baccalaureate/associate degree category, 3 semester hours in gas and electric welding, 3 in basic seamanship, 3 in diving medical technician, 4 in emergency medical technician basic practicum, and 3 in team building (10/16) (10/16).</td>
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<thead>
<tr>
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<td>In the lower-division baccalaureate/associate degree category, 3 semester hours in gas and electric welding, 3 in basic seamanship, 3 in diving medical technician, 4 in emergency medical technician basic practicum, 3 in team building, 3 in introduction to leadership, 3 in oral communication, 3 in industrial safety, and 3 in operational risk management (10/16) (10/16).</td>
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<td>In the lower-division baccalaureate/associate degree category, 3 semester hours in gas and electric welding, 3 in basic seamanship, 3 in diving medical technician, 4 in emergency medical technician basic practicum, 3 in team building, 3 in introduction to leadership, 3 in oral communication, 3 in industrial safety, 3 in operational risk management, 3 in written communications, and 3 in supervision. In the upper-division baccalaureate degree category, 3 semester hours in logistics (10/16) (10/16).</td>
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<td>In the lower-division baccalaureate/associate degree category, 3 semester hours in gas and electric welding, 3 in basic seamanship, 3 in diving medical technician, 4 in emergency medical technician basic practicum, 3 in team building, 3 in introduction to leadership, 3 in oral communication, 3 in industrial safety, 3 in operational risk management, 3 in written communications, and 3 in supervision. In the upper-division baccalaureate degree category, 3 semester hours in logistics, 3 in critical thinking and decision-making; 3 in human resource management; and 3 in operation management (10/16) (10/16).</td>
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<td>In the lower-division baccalaureate/associate degree category, 3 semester hours in gas and electric welding, 3 in basic seamanship, 3 in diving medical technician, 4 in emergency medical technician basic practicum, 3 in team building, 3 in introduction to leadership, 3 in oral communication, 3 in industrial safety, 3 in operational risk management, 3 in written communications, and 3 in supervision. In the upper-division baccalaureate degree category, 3 semester hours in logistics, 3 in critical thinking and decision-making, 3 in human resource management, 3 in operation management, and 3 in project management (10/16) (10/16).</td>
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Recommendation, NDCM

In the lower-division baccalaureate/associate degree category, 3 semester hours in gas and electric welding, 3 in basic seamanship, 3 in diving medical technician, 4 in emergency medical technician basic practicum, 3 in team building, 3 in introduction to leadership, 3 in oral communication, 3 in industrial safety, 3 in operational risk management, 3 in written communications, and 3 in supervision. In the upper-division baccalaureate degree category, 3 semester hours in logistics, 3 in critical thinking and decision-making, 3 in human resource management, 3 in operation management, and 3 in project management (10/16)(10/16).

Lower-Level Learning Outcomes

Gas and Electric Welding
The student will be able to identify shielded metal arc welding electrodes; sketch simple designs; read welding sketches; weld by the shielded metal arc welding process; fabricate metal parts; cut metal by the carbon arc and oxy-acetylene processes; describe weld defects; and utilize welding tools.

Basic Seamanship
The student will be able to utilize a ship’s compass; recognize marine chart symbols; observe rules of the nautical road; pilot small vessels under 65 feet long; tie simple knots; utilize electronic charts and GPS; utilize VHF marine band communication; practice Safety of Life at Sea (SOLAS) life-saving drills; and dock small vessels.

Diving Medical Technician
The student will be able to perform basic hyperbaric therapeutic measures; assess responses to hyperbaric therapy; perform basic neurological, respiratory, and cardiovascular assessments; user hyperbaric chamber controls; assess diving-related injuries for conditions requiring hyperbaric decompression therapy; identify oxygen toxicity; monitor patients during hyperbaric therapy; describe principles of dive medicine; and manage non-complex dive injuries due to hyperthermia, hypoxia, marine animals, and carbon dioxide poisoning.

Emergency Medical Technician Basic Practicum
The student will be able to perform basic life support measures; obtain and maintain intravenous access points; maintain basic oxygen therapy; apply principles of hemostasis; perform basic trauma care; perform combat first aid; use automated external defibrillators; and perform basic first aid following exposure to hazardous materials.

Team Building
The student will be able to function as a contributing member of a small work team; demonstrate interpersonal skills required for effective team communication; perform basic leadership and followership skills required in a small work team; and think critically and employ decision-making and problem solving techniques.

Introduction to Leadership
The student will be able to perform the required leadership tasks and functions required of a small work team; plan and organize work at the small group level; manage resources allocated and required for mission accomplishment at the work team level; and coach and mentor work team members.

Oral Communication
The student will be able to develop effective interpersonal communication skills; create oral briefs to communicate laterally, upward, and downward; research and develop topics; demonstrate verbal and speaking processes through organization, drafting, revision, editing, and presentation; and apply principles of critical thinking, problem solving and technical proficiency in oral presentations and arguments.
**Industrial Safety**
The student will be able to recognize hazardous materials (HAZMAT) handling procedures; conduct HAZMAT inspections; utilize personal protective equipment (PPE) protocols; demonstrate proper lockout and tagout procedures on protective equipment; and utilize material safety data sheets.

**Operational Risk Management**
The student will be able to recognize risk management; demonstrate mechanical systems safety procedures; demonstrate accident prevention processes; conduct critical decision-making; functionalize group risk analysis; conduct mission planning; conduct individual risk analysis; functionalize personal protective equipment; and conduct tactical communications.

**Written Communications**
The student will be able to apply appropriate writing conventions, such as grammar, mechanics, punctuation, and spelling; utilize communication technologies appropriately and effectively, such as email and Microsoft office; create written communications to accommodate a specific audience and purpose; develop effective interpersonal communication skills; read, analyze, and develop briefings.

**Supervision**
The student will be able to develop personnel motivational strategies; delegate tasks to personnel; establish goals and expectations to operate work groups; and perform personnel disciplinary reviews, counseling, and mentoring.

**Upper-Level Learning Outcomes**

**Logistics**
The student will be able to conduct cargo documentation procedures; recognize inventory control; conduct planning assessments recognize permit procurement procedures; discuss logistical performance metrics; utilize continuous process improvement; demonstrate logistical support operations; and operationalize systems life cycle management.

**Critical Thinking and Decision-Making**
The student will be able to demonstrate basic critical thinking skills and abilities; employ basic problem solving and decision-making models and approaches; analyze and evaluate multiple courses of action in complex environments; and develop alternative paths and contingency plans as the situation dictates.

**Human Resource Management**
The student will be able to critically assess and evaluate human resources policies and practices; incorporate strategic management processes in human resource practices; and manage conflict resolution among personnel.

**Operation Management**
The student will be able to integrate occupational compliance and safety best practices; integrate cultural and international laws into organizational practices; create measured improvements in organizational operational performance; employ techniques to measure quality control; demonstrate sustainable operational plans; integrate supply chain methodologies; and utilize aggregate planning, distribution planning, and inventory management.

**Project Management**
The student will be able to leverage project resources; apply cost and benefit methods and rationale for project prioritization; utilize project management framework; conduct risk management; and monitor milestone definitions and project task identification.