



# CLOSE UP

— The President's Report on the State of the Academy —

## MAINE MARITIME ACADEMY

A College of Engineering, Management,  
Science, and Transportation

2016-2017



# CLOSE UP

— The President's Report on the State of the Academy —

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**MAINE MARITIME  
ACADEMY**



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# PRESIDENT'S MESSAGE

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**IN 2016, WE CELEBRATED THE 75TH ANNIVERSARY** of the founding of Maine Maritime Academy. We commemorated decades of history; recognized those who have contributed to this great institution; and celebrated the attributes that make us mariners—united as a community, providing leadership, and contributing to society and the world.

Our highest achievement is the success of our students. Even in difficult economic times, employers seek our graduates for career employment in diverse fields and industries. Acknowledgment of the value of a Maine Maritime education has grown too, including mention in the national press and college rankings. Interest in academy programs is high.

Our challenges are to keep up with infrastructure and technology demands, meet student needs for financial aid, guide enrollment to fit capacity, and manage budget limitations due to declining state appropriations as a percentage of total revenues.

The next chapter of MMA history is in our hands. As a community of alumni, students, parents, employees, and friends of the academy, we all need to know what makes this organization tick; to know our strengths and challenges, and to understand how we can assist the college to be successful on our way to 100 years and beyond.

*Navigating the Future*, MMA's strategic plan, was initiated in 2014-15. Its four main goals lead our vision and mission:

- 1 - Assure that our curriculum, faculty, campus, and infrastructure support our commitment to provide students the best marine and related educational opportunities.
- 2 - Assure MMA is affordable for our students and the college of tomorrow is economically sound and sustainable.
- 3 - Continuously demonstrate overall student satisfaction and success are central to our management philosophy.
- 4 - Elevate MMA's profile and stature through thoughtful and effective outreach, brand, and communication strategies.

This publication provides a profile of institutional progress to assist as we create a bright future for the college. If the members of the Maine Maritime Academy community, near and far, continue to track our success, our future will, indeed, be bright.



William J. Brennan, Ph.D.

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**Our highest achievement is  
the success of our students.**

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# FUNDAMENTALS

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UNDERGRADUATE STUDENTS	1,014
STUDENT-TO-FACULTY RATIO	13:1
STUDENT RETENTION	86%
GRADUATION RATE (6-YEAR)	62%
GRADUATE STUDENTS	31
TOTAL STAFF AND FACULTY	309
LIVING ALUMNI	8,448
SPRING 2017 DEAN'S LIST	38%

# FUNDAMENTALS

## History

**A NAUTICAL TRAINING INSTITUTE IN MAINE** was first proposed by educational and civic leaders around the state and resulted in the creation of Maine Maritime Academy by an act of the 90th Maine Legislature on March 21, 1941. The original class of 29 students reported in October of that year. World War II presented a critical need for trained deck and engineering officers, and the academy met that challenge, graduating its first class in 1943 and producing more than 300 officers who served at sea during the war. In the post-war era, the program expanded to a four-year, Bachelor of Science degree program, and in 1972 the college received official accreditation by the New England Association of Schools and Colleges.

The academy now offers two undergraduate degrees and 22 academic courses of study in four maritime-related fields: engineering; international business and logistics; marine sciences; and marine transportation. The Graduate Studies program offers Master of Science degrees in global logistics and maritime management.

**THE VISION** of Maine Maritime Academy is to provide the best marine and related education of any small college.

**THE MISSION** of Maine Maritime Academy is to provide a quality education focused on marine and related programs. The curriculum will empower students to take on leadership roles, encourage rigorous self-discipline, promote curiosity, and provide graduates with the skills, ethics, and knowledge needed to succeed in the global economy.

## Institutional Objectives

**UPON COMPLETION OF A DEGREE**, students should, at the appropriate level:

- Demonstrate competency in written and spoken English
- Apply the scientific method
- Apply fundamental concepts in mathematics
- Be technologically proficient
- Develop a global perspective of the humanities and social sciences
- Gather, analyze, and interpret information
- Demonstrate competency in their major
- Explore and experience career paths in their program of study
- Demonstrate and inspire ethical behavior
- Develop skills to motivate others to achieve a common goal
- Recognize environmental consequences of individual and professional decisions

NAVIGATION  
TRAINING UTILIZES  
BOTH TRADITIONAL  
TOOLS AND  
THE LATEST  
TECHNOLOGIES.



# RECOGNITION

**MAINE MARITIME ACADEMY** has received recognition for educational quality, value, and outcomes. Here are some of the reasons why:

- hands-on, experiential learning in specialized courses enriches students' experience and prepares them to be job-ready
- MMA's career placement rate is steady at 90% of graduates placed in jobs within their field or graduate school within 90 days of graduation
- careers are in high-earning fields and industries, which allows for more consistent on-time repayment of debts post-college
- highly-trained faculty with industry and professional experience are dedicated to helping students succeed
- many Maine Maritime Academy students are first-generation college students, a factor in rankings such as *Washington Monthly* (see below)
- a high-achieving alumni network sets an expectation for excellence and supports MMA students with international career connections
- most majors require 40-plus weeks of instruction and training per year (compared to 28 in a traditional liberal arts program), which translates to more knowledge and experience gained for the investment

**U.S. News & World Report** In 2017, Maine Maritime Academy ranked #5 in the Regional Colleges – North list by *U.S. News & World Report*. The college also ranked #2 in a list of Best Colleges for Veterans, #3 in Top Public Schools, and #69 among 198 engineering schools in the U.S. that do not offer a doctorate-level degree.

**Money Magazine** Maine Maritime Academy was ranked the #1 Best Public College on *Money* magazine's Best Colleges list in 2014 and 2015. The college also ranked highly in a list of 50 Colleges That Add the Most Value (schools that best help students exceed expectations).

**Washington Monthly** In 2017 *Washington Monthly* ranked Maine Maritime Academy #8 in Baccalaureate Colleges and #4 in their Best Bang for the Buck - Northeast colleges list.

**Brookings Institute** Maine Maritime Academy earned the top score of 100 from the Brookings Institute in their Beyond College Rankings 2015 report, citing their value-added assessment of colleges.

**Yellow Ribbon School** Maine Maritime Academy participates in the Yellow Ribbon Program in which higher education institutions voluntarily enter into an agreement with the Veterans Administration (VA) to fund tuition and fee expenses for out-of-state students that exceed the tuition and fee amounts payable under the Post-9/11 GI Bill.

**Military Friendly School** Military Friendly® is the standard that measures an organization's commitment, effort and success in creating sustainable and meaningful benefit for the military community (people who serve, serve alongside, or have served: active duty, guard, reserve, military spouses and veterans).



# ACADEMIC MILESTONES

**ABET Reaccreditation** Three of the academy's engineering technology majors are certified by the Accreditation Board for Engineering and Technology (ABET). In October 2014, MMA's Power Engineering Technology and Marine Engineering Technology programs received full re-accreditation. MMA's Marine Systems Engineering program has recently completed its self-study and is scheduled for a campus evaluation in October 2017.

**Environmental Sustainability Minor** The faculty have approved the introduction of a new Environmental Sustainability minor into the academic curriculum. The interdisciplinary minor combines new and existing courses from multiple departments to help prepare students for relevant environmental challenges they will confront in their careers.

**U.S. Coast Guard / MARAD Audit** The U.S. Coast Guard (USCG) and the U.S. Maritime Administration conduct an audit every five years of the Academy's curriculum, training records and compliance with international and U.S. Standards of Training Certification and Watchkeeping (STCW) as part of our ongoing authorization under federal law to endorse students for mariners' licenses. The most recent audit, completed in March of 2017, cited no discrepancies. The audit team's final report lauded MMA for "extraordinary record management...a model for other academies to duplicate, instructors' sincere commitment to ensure cadets' success, and top management commitment."

**NEASC Reaccreditation** In April 2017, the academy successfully completed a 10-year cycle of self-study to renew its full accreditation status with the New England Association of Schools and Colleges (NEASC).

**Maritime Academy Council SOP with USCG** The Maritime Academy Council (MAC), currently chaired by MMA Vice President for Academic Affairs Dr. David Gardner, is a consortium of five state maritime academies and the U.S. Merchant Marine Academy representing collective interests in policy-setting with our regulatory agencies, the U.S. Coast Guard and the U.S. Maritime Administration. In July 2017, the MAC and the Coast Guard jointly signed a landmark Policy Manual that formalizes operating procedures, common standards, regulatory measures, and evaluation processes.

**Cross-Deck Training** Over the 2017 winter and spring breaks, senior Marine Transportation student Will Andrews completed operational internships aboard two 175-foot Coast Guard buoy tenders under a formal training memorandum MMA has with the First Coast Guard District in Boston. The agreement allows selected junior and senior regimental students to work alongside crews of Coast Guard ships home-ported in New England.

## 2016-17 Research & Grants (highlights)

- The Marine Engine Testing and Emissions Laboratory, a U.S. DOT University Transportation Center, established in 2013 with a \$1.4 million grant, installed medium-speed engine testing capabilities in Andrews Hall to support research and assess benefits of new fuel and after-treatment technologies.
- Under Professor Douglas Read's direction, MMA received a grant for \$97,257 from the Maine Economic Improvement Fund Small Campus Initiative to construct a fuel-efficient 21-foot lobster boat technology demonstrator in partnership with The Landing School.
- The Ocean Studies department received a \$5,000 grant from the Quahog Bay Conservancy (QBC) in support of undergraduate research at MMA.

**SPECIALIZED  
LABORATORIES,  
SUCH AS THOSE  
DEDICATED TO  
MARINE SCIENCE,  
BRING LESSONS  
FROM THE  
CLASSROOM TO  
LIFE.**



The background of the image features a close-up of industrial equipment. In the upper left, a large, dark-faced pressure gauge is visible with a white label that reads "1 ST STAGE" and "2 IN & 2 LB SUBD". Below it, another gauge with a white face and black markings is partially visible, showing numbers like 600, 800, 1000, 1200, 1400, 1600, 1800, and 2000. The text "H. O. Trerice Co." is printed at the bottom of this lower gauge. To the right, there are blurred vertical elements and mechanical components, suggesting a complex industrial or laboratory setting.

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We have a core of faculty who are dedicated, experienced in the real world, and care about the quality of the skills and knowledge they impart to students. They make themselves available to help the students in and out of the classroom.

Capt. Stephen J. Cole '81, Associate Professor,  
Marine Transportation



# FACULTY SCHOLARSHIP

**ACADEMY FACULTY** continue to be regularly involved in scholarship, professional development and leadership in their respective disciplines. This is a partial list of accomplishments from the past year.

**Fulbright Scholars** During the 2017 Spring semester, Capt. Dan Parrott, Professor of Marine Transportation, was a Fulbright visiting scholar in residence at the University of Costa Rica's new School of Nautical Science, teaching and supporting the university's effort to modernize their nautical science curriculum and become an internationally-recognized and credentialed training organization. Parrott joins the ranks of two other MMA Fulbright scholars: Elaine Potoker in the field of International Politics and Paul Wlodkowski in Engineering. The three scholars advanced the role that Maine Maritime Academy plays as a leader in international maritime education.

**Capt. Ender Asyali, Ph.D.** "Determining Perceptions of Maritime Students on Teamwork Skills during Bridge Operations," International Maritime Lecturers Association Conference

**Capt. G. Anderson Chase, Capt. Richard Miller** "Weather Routing for International Sail Training Races," Annual Sail Training International Conference

**Capt. Stephen J. Cole** "Determining Perceptions of Maritime Students on Teamwork Skills during Bridge Operations," International Maritime Lecturers Association Conference

**Carey L. Friedman, Ph.D.** "PCBs in the Arctic Atmosphere: Determining important driving forces using a global atmospheric transport model," Annual North American Society of Environmental Toxicology and Chemistry

**Gary S. Lapham, Ph.D.** "Liquid Spray Experiments," American Physical Society Annual Meeting

**Susan K. Loomis** "Advancing Women in Academia: 6th Annual Networking Conference," panelist, University of Maine

**Joseph D. Moser Jr., Ph.D.** "Sing Me a Future: Rwanda's Generative Ban on Music," Annual Meeting of the American Academy of Religion

**Jessica F. Muhlin, Ph.D.** "Rockweed and Climate Change," Friends of Taunton Bay


**Dana I. Polojarvi, Ph.D.** "How System Dynamics Helps Students Understand History," International Conference on System Dynamics

**Jacob J. Simmons, Ph.D.** "Critical features of Baxter's three coloring model on the honeycomb lattice with interactions," 116th Statistical Mechanics Conference

**Jeffrey B. Taub** "Use of 5th year students to teach 1st year Pre-Calculus," Athens Institute for Education and Research 11th Annual Conference on Mathematics: Teaching Theory and Applications

**Jeffrey S. Willmann** "Teaching Math with Mathematical Puzzles," Northeastern Section of the Mathematical Association of America

NEARLY ALL  
ENGINEERING  
STUDENTS  
WORK WITH THE  
RECIPROCATING  
PUMP IN THE  
POWER EQUIPMENT  
LAB.



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Hands-on education is an essential component of all of our programs. Co-ops, Cadet Shipping, internships and research projects all allow students to apply their training in real-world situations, and the experiences gained directly contribute to our graduates' outstanding placement rate into employment.

David M. Gardner, Ph.D., Captain, U.S. Coast Guard (ret),  
Provost and Vice President for Academic Affairs

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# HANDS-ON EDUCATION

**AN INTEGRAL PART OF A MAINE MARITIME ACADEMY** education is the practical knowledge students gain through field experience, which is a graduation requirement for most majors. Courses are typically taken in the summer, and academic credits count toward degree completion. Many companies train and evaluate students in order to develop them as prospective future employees, and students earn while learning and gaining experience. During the summer of 2017, 310 students completed field experiences appropriate to their major, both ashore and afloat.

**Cadet Shipping & Training Voyages** (Unlimited USCG License candidates) MMA's original field experience program, cadet shipping, occurs during the summer after the sophomore year, when unlimited USCG license students work on vessels appropriate to their license goals as cadets. These students major in: Marine Transportation Operations; Marine Engineering Operations; Marine Engineering Technology; and Marine Systems Engineering. After freshman and junior years, these students accrue additional sea service and hands-on experience during training cruises on the TS *State of Maine*.

**The IBL Summer Co-op** All IBL students participate in a cooperative work experience with a professional company (lasting a minimum of 12, 40-hour work weeks) at the end of their third year. The program is supervised by department faculty, and the job site may be anywhere in the world.

**Stationary Plant Program** Power Engineering Technology and Power Engineering Operations curricula focus on operating and maintaining the large mechanical systems used to produce high pressure steam and generate electrical power in stationary plants. Students in these programs gain hands-on experience in summer field experiences in high pressure steam and power plants as well as large industrial facilities.

**Vessel Operations & Technology / SVO** (Limited USCG License candidates) Students who seek the 200-ton, 500-ton or 1,600-ton Near Coastal mate's licenses are required to complete field experiences leading to sea service on appropriate vessels. Sea service is acquired through laboratories, simulation, field work experiences and a 14-day training cruise aboard the schooner *Bowdoin*.

**Ocean Studies Senior Research** All Marine Biology and Marine Science students complete independent research projects designed, implemented, analyzed, and disseminated by individual students. Projects are supervised by departmental faculty and utilize wet lab and waterfront facilities, including RV *Friendship*.

PICTURED IS ONE  
OF TWO 670 H.P.  
ENGINES THAT  
POWER THE TUG  
PENTAGOET, THE  
HEART OF THE  
MMA TUG AND  
BARGE OPERATIONS  
PROGRAM.



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In the regiment, I sought opportunities that allowed me to practice and build leadership skills. A good leader knows his or her people and uses this knowledge to challenge and strengthen them. A good leader makes others feel heard and respected, knows how to be a good follower, and sets the example with actions rather than commands.

Caroline Foy, Marine Science/Small Vessel Operations major,  
Regimental Drill Company Commander and Chief Adjutant

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# ENROLLMENT

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**Fall 2016 Enrollment by Program** Maine Maritime Academy offers specialized majors that prepare graduates for the rigors and demands of today's global job market in engineering, management, science, and transportation.

- International Business & Logistics: 120
- Marine Engineering: 441
- Ocean Studies: 67
- Marine Transportation Operations: 153
- Power Engineering: 128
- Vessel Operations & Technology and Small Vessel Operations: 105
- Graduate: 31

**MAINE MARITIME ACADEMY** faces a challenge many colleges wish to experience: demand that well exceeds capacity. Undergraduate enrollment at MMA has grown significantly in the past dozen years, from 836 in 2004 to 1,014 in the fall of 2016. As societal and legislative pressure has increased the focus on return on investment of college tuition and loan debt, the high placement rates and earning capabilities of MMA graduates have brought national attention on the academy. MMA students are focused and driven and, in many respects, that helps define us and set us apart from other colleges.


**Student Involvement** Students are involved in more than 30 active clubs and organizations on campus. In 2016, 266 students, or more than 25%, were members of a club or organization, ranging from sports clubs and affiliates of national professional career organizations to volunteer and community service groups. In addition, on average, 27% of students participated in varsity athletics during the 2016-2017 academic year. The 2017 Student Life Awards recognized 38 outstanding students in 10 award categories for contributions to service projects, athletics, employment and volunteer programs, and other co-curricular activities. Students volunteered as fire fighters and first responders for Castine and Penobscot Volunteer Fire Rescue Departments; they ran Red Cross Blood Drives, the Boy Scouts Klondike Derby, a Girl Scouts Sailaway, and a Relay for Life; they taught young athletes in VolleyKids and DribbleKids; they contributed to a Peninsula woodbank, a Castine town clean-up, a Castine Little Library project, and Halloween and Easter festivities for Castine children, and much more. Members of Alpha Phi Omega, a national co-ed service fraternity, were very active, as were other clubs and organizations on campus.

**Support Services** Academic support services consist of academic assistance, available to all students, and academic accommodation, available to students with documented disabilities. The Academy's Center for Student Success, located at the newly renovated Buoy House, coordinates both. Students can select from a variety of free support services, from open-door faculty office hours and course help sessions, to a Writing Center, a Navigation Lab, a Math/Physics Lab and individualized peer tutoring.

## Class of 2021 Snapshot

- Enrolled: 300
- Enrolled: 11% Female, 89% Male
- Students from Maine: 68%
- States Represented: 24; Foreign countries: 2
- Early Action applicants: 55%
- Top 5 Majors: Marine Transportation Operations; Marine Engineering Operations; Marine Engineering Technology; International Business & Logistics; Power Engineering Technology

AMONG THE LATEST  
ADDITIONS TO  
THE COLLEGE'S  
LABORATORIES  
IS THE LOGISTICS  
OPERATION  
CENTER LAB  
THAT SIMULATES  
PRODUCTION,  
WAREHOUSE  
AND INVENTORY  
SYSTEMS.

A close-up, slightly blurred photograph of a row of black dumbbells in a gym setting. The dumbbells are arranged in a rack, and the focus is on the central ones, creating a sense of depth. The lighting is soft, highlighting the metallic texture of the handles and the smooth surface of the weights.

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Maine Maritime Academy has given me the best opportunity and the utmost support in pursuing my passion for the sport of football. The coaches and staff have taught me lessons about hard work and professionalism that I never would have learned had I not become a student-athlete.

Cody O'Brien, Marine Engineering Technology major,  
Football student-athlete

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# MARINERS ATHLETICS

## Integrity First

**MAINE MARITIME ATHLETICS MISSION** is to prepare our athletes for lifelong success through dedication to one's team, individual growth, and a passion for sport, education, and profession. We value integrity above all else as the driving value toward leadership, citizenship, and sportsmanship.

## Progress Through Perseverance

**2016-17 SEASON HIGHLIGHTS:** 1 Conference Championship; 36 Conference All-Academic Selections; Admiral's Cup Win 2016; Maritime Cup in Volleyball Win 2016; 18 All-Conference Selections; 11 All-Region All-Stars; 4 Coaches Association All-Academic Team; 3 Senior Scholar Athletes of the Year; 2 Players of the Year; 2 Defensive Players of the Year; Conference/Regional Rookie of the Year; Conference/Regional Coach of the Year; CoSIDA Academic All-District; All-Academic Team Selection.

## Leaders at Every Opportunity

**THE INCOMMAND PROGRAM** was launched in 2015 to instill in Maine Maritime Academy's athletes the qualities, values and skills necessary to be effective leaders in their professional and personal lives. The four sections of inCOMMAND include Freshman Programming, "Coach-Run, Student-Athlete Approved," designed to introduce young mariners to leadership and personal awareness; Sophomore Programming, "I Will Lead," which launches second-year athletes into practicing and learning how to lead; "Captains & Leaders," designed to provide leadership skills and tools as well as opportunities for reflection and growth; and, "One Team, One Voice" Programming for our young women to explore the pillars of our culture and who we strive to be, as Mariners and as female athletes at MMA.

## Athletics & Recreation

**MEN'S:** Basketball, Cross Country, Football, Golf, Lacrosse, Soccer and Swimming; **WOMEN'S:** Basketball, Cross Country, Lacrosse, Soccer, Swimming and Volleyball; **CLUB SPORTS:** Men's & Women's Rugby

## Program Affiliations

- NCAA Division III
- Eastern College Athletic Conference (ECAC)
- New England Women's & Men's Athletic Conference (NEWMAC)
- North Atlantic Conference (NAC)

## About NCAA Division III

**COLLEGES AND UNIVERSITIES IN DIVISION III** place highest priority on the overall quality of the educational experience and on the successful completion of students' academic programs. They seek to establish and maintain an environment in which athletics activities are conducted as an integral part of the student-athlete's educational experience, and one that values cultural diversity and gender equity among their student-athletes and athletics staff. Financial aid cannot be granted based on a student-athlete's athletics participation. This means institutions should not consider athletics leadership, ability or performance when formulating a financial aid package.

## Varsity Sailing Team

The MMA Varsity Sailing Team, a member of the New England Inter-Collegiate Sailing Association (NEISA), is active in dinghy and offshore racing, competing in events from the familiar waters of Maine to California and Annapolis. A recently donated J-44 sailboat is providing the team an excellent vessel for offshore success.

**FITNESS FACILITIES  
IN THE OAKLEY  
LOGAN ALEXANDER  
PHYSICAL  
EDUCATION CENTER  
ARE AVAILABLE  
TO ALL ATHLETES,  
STUDENTS,  
EMPLOYEES, AND  
THE LOCAL CASTINE  
COMMUNITY.**



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We operate in a fiscally conservative fashion to attempt to keep tuition costs such that any qualified student who wants a Maine Maritime Academy education can afford to attend.

William J. Brennan, Ph.D., President, Maine Maritime Academy

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THE SAIL TRAINING PROGRAM—  
UNIQUE AMONG U.S. COLLEGES AS IT PREPARES STUDENTS FOR A LIMITED USCG LICENSE—USES THE SCHOONER BOWDOIN, THE OFFICIAL VESSEL OF THE STATE OF MAINE, AS ITS CENTRAL TRAINING PLATFORM.

# COSTS & FINANCIAL AID

**COST OF ATTENDANCE** is established annually. Financial aid includes all federal and state grants, federal loans (Stafford and PLUS), institutional loans, Work Study, private scholarships and all institutional grants/scholarships.

## 2017-18 Cost of Attendance for Unlimited USCG License Majors

**IN-STATE \$33,862 | REGIONAL \$38,992 | OUT-OF-STATE \$47,212**

Includes: tuition, room & board, general fees, unlimited license program fee, cruise/co-op and uniforms.

## 2017-18 Cost of Attendance for all Other Majors

**IN-STATE \$23,388 | REGIONAL \$28,518 | OUT-OF-STATE \$36,738**

Includes: tuition, room & board and general fees.

The above figures reflect only direct costs; figures do not include indirect costs or additional fees that may be assessed by major.

**Financial Aid Statistics** Eighty percent of students enrolled apply for financial aid. Eighty-three percent of our students who apply receive some financial aid. The average financial aid package is \$6,242. The average aid package does not include private loans or parent PLUS loans.

**Default Rates** Maine Maritime Academy's default rate for the Fiscal Year 2013 cohort is 6.4%; the national default rate is 11.3%. A cohort default rate is the percentage of MMA's student borrowers who have entered repayment on certain Federal Family Education Loan Programs or Federal Direct Loan Programs during a particular federal fiscal year (FY), October 1 to September 30, and default or meet other specified conditions prior to the end of the second following fiscal year.

**Scholarships** Merit scholarships are offered to provide an incentive for highly qualified incoming students to choose MMA. Maine Maritime Academy awards merit scholarships based on SAT scores and high school academic performance:

- Presidential Achievement Scholarship: \$6,500
- Dean's Scholarship: \$5,000
- Distinguished Scholarship Award: \$3,500
- Trustee Scholarship for Diversity: \$10,000
- Harold Alfond Scholarship for Engineering: \$10,000

Endowed and pass-through scholarships are open to deserving first-year and returning students who meet the criteria and demonstrate academic and leadership success.

# ADVANCEMENT

**THE 2017 FISCAL YEAR CLOSED ON JUNE 30, 2017.** A total of 2,137 alumni, parents, friends, corporations, and foundations made MMA a philanthropic priority and helped the academy to raise \$3,927,056. Of that total, the Annual Fund received \$711,776 and gifts to capital projects totaled \$895,076. Contributions to the school's endowment reached \$2,017,173 boosted by a large bequest from an alumnus. Another \$303,032 was received for various projects around campus. In addition, this year saw the completion of two capital fundraising initiatives.

The *Bowdoin* Centennial Campaign raised \$1,260,046 in gifts and pledges to fund the replacement of *Bowdoin's* 30-year-old deck, a rebuild of the Cummins Marine NTA 855 engine, a new refrigeration system, electrical system, and generator.

The Men's Locker Room project raised \$400,000 in gifts and pledges to update HVAC, flooring, and new lockers.

## Funding Priorities

### ANNUAL FUND VISION 20 | 20

Maine Maritime Academy's vision is to provide the best marine-related education of any small college. But, it's clear: to achieve our vision, we must increase fundraising capacity by 2020 in order to keep tuition and fees affordable for all students and to assure the MMA of tomorrow is economically sound and sustainable. To help us in this quest, the Harold Alfond Foundation has challenged Maine Maritime Academy to raise a cumulative total of \$2.25 million over the next three fiscal years (July 1, 2017 - June 30, 2020) and increase our alumni participation rate to 20% in 2020. When we meet that challenge, we will receive \$750,000 from the Harold Alfond Foundation toward scholarships for MMA students.

### SCHOLARSHIP SUPPORT

Awarding deserving students with financial support has never been more important. Endowed scholarships can be set up for a minimum of \$25,000 and the initial gift amount is preserved so the scholarship award can last indefinitely; interest earned supports students on an annual basis. For an immediate impact on MMA students, a donor can create a pass-through scholarship with a minimum annual gift of \$1,250. The scholarship is active as long as the donor makes annual contributions.

### ENDOWED AND PASS-THROUGH SCHOLARSHIPS ESTABLISHED SINCE 2016

Endowed: The Kirsten J. Freiberg Memorial Scholarship Fund; The Frederick J. Harris Regimental Scholarship Fund; The Frederick J. Grondin, Sr. Regimental Scholarship Fund; The Joseph L. L'Italien '52 Scholarship Fund; The Doria Millett Scholarship Fund. Pass-Through: The Dirigo Regimental Pass-Through Scholarship Fund; The MMA Regimental Wedge Scholarship Fund

### CAPITAL PROJECTS

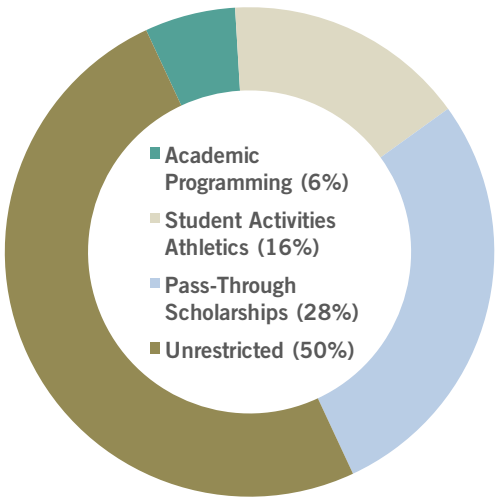
As fiscal year 2018 begins, MMA is seeking to raise \$300,000 to renovate the Margaret Chase Smith Gymnasium floor and bleachers, which have been in use for more than 50 years. Naming rights are available for the court, bleachers, and 72 court-side seats.

A special thank-you to our generous donors for making MMA students a priority in giving! To view a comprehensive, up-to-date list of all MMA donors, please visit: [mainemaritime.edu/support-mma/annual-giving-report](http://mainemaritime.edu/support-mma/annual-giving-report)



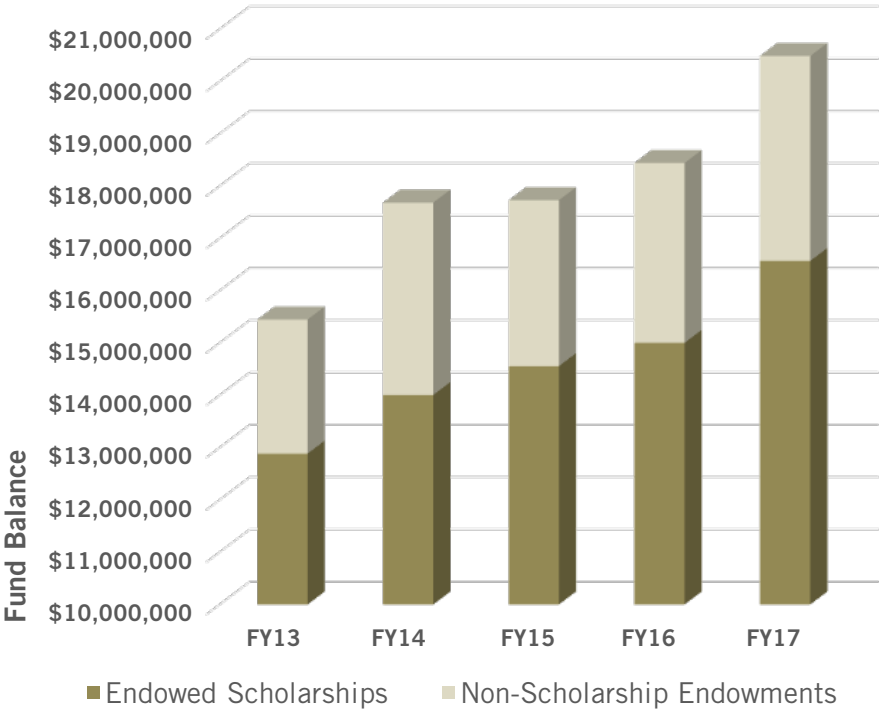
# ADVANCEMENT

**FY 2017 Annual Fund Breakdown**  
Gifts That Support Students in the Giving Year



The Annual Fund is extremely important in providing support for stuents every year. Unrestricted funds are contributions used to address the Academy’s most pressing operational needs. Restricted funds are gifts for current operations restricted by the donor for a specific purpose.

**Endowment Balances**



Note: FY17 figures are based on estimates, not audited.

MORE THAN 12,000 MEALS ARE SERVED WEEKLY BY SODEXO DINING SERVICES AT THE HAROLD ALFOND STUDENT CENTER.



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I give to MMA because it did so much for me. I appreciate the education I received. It helped me through life, and I want to help provide that opportunity for others.

Capt. Richard Spear '43-2

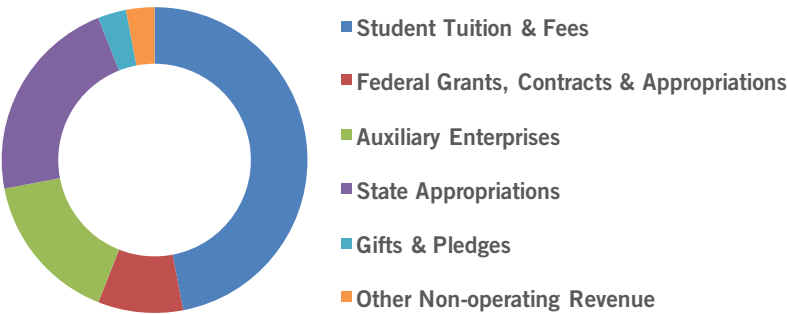
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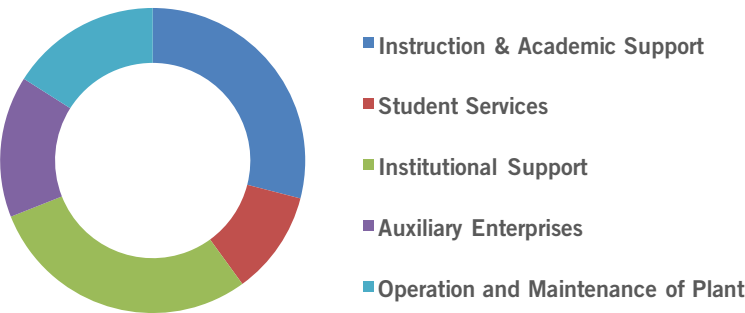
# FINANCIALS

**FINANCIALS** During the past several years, the academy has achieved a stable financial position and steady growth of net assets with very low, long-term debt. With careful planning, balanced budgets have been achieved. These graphics illustrate the academy's FY2016 revenues and expenditures, and net position for FY2013 - FY2016. The academy's main revenue sources are tuition, fees, and room and board charges (63%), and State appropriations (22%). While enrollment continues to be strong and most students receive some financial aid, annual costs of attendance and student financial need continue to grow.

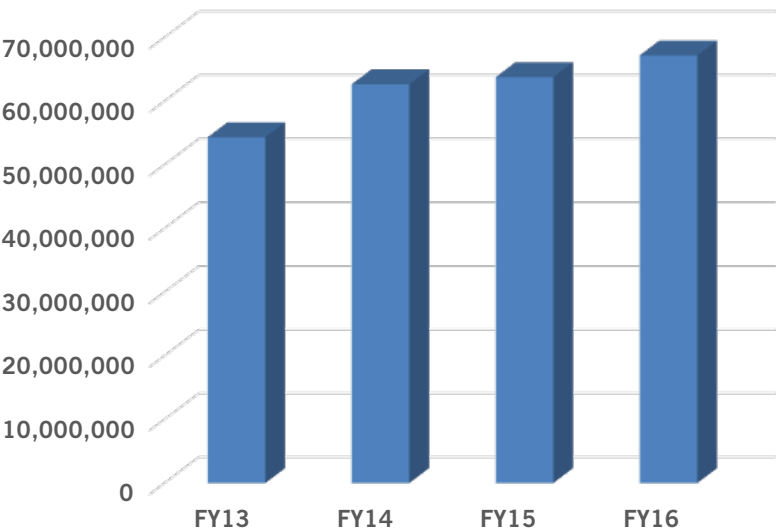
Revenues (Operating/Nonoperating/Other) from FY16



Expenses (Operating and Nonoperating) from FY16



Net Position FY2013 to FY2016



THE FIRST ACADEMIC BUILDING TO BE CONSTRUCTED ON CAMPUS IN 30 YEARS, THE ABS CENTER FOR ENGINEERING, SCIENCE, AND RESEARCH WAS COMPLETED IN 2015. SHOWN: ONE OF THREE INSTALLATIONS IN THE BUILDING BY MAINE ARTISTS.



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We have placed hundreds of Maine Maritime Academy graduates over the years. Our clients know what they are getting by hiring these individuals and the desire for these graduates in the industry is great.

Craig Johnson '91, Partner, Flagship Management

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# ALUMNI

## Career Outcomes

**MAINE MARITIME ACADEMY** prepares students to be navigation officers and engineers for vessels of all sizes; to manage design, installation, and operation of shore-based utilities worldwide; to be professional marine biologists and ocean scientists; and to manage logistics and business operations in international trade. Year after year, the job placement rate for MMA graduates exceeds 90 percent within 90 days of graduation.

## Continuing Education

**MAINE MARITIME ACADEMY'S CONTINUING EDUCATION DEPARTMENT** is focused on providing professional development opportunities for our graduates and other licensed mariners to maintain their credentials and advance their licenses.

- In 2016-17, Continuing Education led more than 1,500 mariners through the STCW 2010 GAP courses using “blended” learning; online with in-person assessments only.
- Basic Training Revalidation and Advanced Fire Fighting Revalidation were approved and are offered in two consecutive days.
- 11 new courses have been developed and U.S. Coast Guard-approved in the past two years.
- Many more courses are currently in development, including the Chief Mate-to-Master series.

## Where Alumni Work (partial list)

American Bureau of Shipping  
Andrie Inc.  
Catalyst Paper Corp.  
Cianbro Corp.  
Conoco Philips Polar Tankers  
Crowley Maritime Corporation  
DTE Energy  
Essential Power/Cogentrix  
Eversource Energy  
G&H Towing  
General Dynamics Bath Iron Works  
Grand River Navigation  
Kiewit Power  
Kirby Corporation  
Military Sealift Command (MSC)  
Moran Towing  
PepsiCo  
Poland Spring/Nestle Waters NA  
ReEnergy Holdings LLC  
Sappi North America  
SeaRiver Maritime Inc.  
Siemens  
Southern Power Company  
Strategic Maintenance Solutions Inc.  
Tesla, Inc.  
The Jackson Laboratory  
The Vane Brothers Company  
TOTE Maritime  
Transocean  
Wheelabrator Technologies Inc.

STEAM  
TURBINES SHOW  
ENGINEERING  
STUDENTS THE  
INTERNALS  
OF A TYPICAL  
HIGH-PRESSURE  
IMPULSE STEAM  
TURBINE.

# MAINE MARITIME ACADEMY

CASTINE, MAINE 04420  
CHANGE SERVICE REQUESTED

