

# USMMA ALUMNI SURVEY

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## Marine Engineering Systems



### AGENCY DISCLOSURE NOTICE (ADN)

Public reporting burden for this collection of information is estimated to average 20 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to the Dean's Office, USMMA at the address listed below or contact by phone.

DEAN'S OFFICE, USMMA

300 STEAMBOAT ROAD

KINGS POINT, NY 11024

516-726-5833

## USMMA Alumni Survey

### Marine Engineering Systems

#### INSTRUCTIONS

Please answer each question by circling your response among the choices provided for each question. Your response to all questions is deeply appreciated.

Free-response questions are also included. They should be answered directly in the space indicated. Should you need more room for your responses, kindly attach additional pages.

Do Not enter your name, SSN, or other personal identifying information in the questionnaire booklet. Results will be reported in the aggregate form. Your responses will remain completely anonymous.

Your participation is important for the validity of the results. Failure to respond will result in no penalty to you; however, full participation is encouraged so that the data will be complete and reliable.

When you have finished, tear off the front cover and instructions page of the questionnaire booklet (to reduce bulk and save postage), fold the remaining booklet, and seal it in the pre-addressed envelope provided.

Your responses will come directly to the Maritime Administration-Dean's Office, United States Merchant Marine Academy, 300 Steamboat Road, Kings Point, NY 11024.

We request that you complete and return your questionnaire within 30 days of receipt. Point of Contact for this survey is Ms. Dianne Taha, Assistant Dean 516-726-5835; email: tahad@usmma.edu.



- USMMA's reputation
- For self development
- High earning potential after graduation
- Other \_\_\_\_\_

8. Since leaving USMMA, I have completed the following:

- Another degree program (Specify)
- A Non-degree program (Specify)
- Certificate Program (Specify)
- Advanced Marine License (Specify)
- Received other License or an Industry Certification (Specify)

9. How strong was your USMMA education in preparing you in each of the following areas:  
**(Poor 1 2 3 4 Excellent)**

- 1 2 3 4 Serve immediately as merchant marine officers with the foundation to advance to master or chief engineer
- 1 2 3 4 Able to work in approved maritime related shore positions with the capability to rise to senior levels
- 1 2 3 4 Lead with integrity, competence, and high ethical standards
- 1 2 3 4 Work in teams constructively toward common goals
- 1 2 3 4 Think critically and creatively, and solve complex problems
- 1 2 3 4 Communicate proficiently, both orally and in writing
- 1 2 3 4 Demonstrate information literacy and proficiency in the use of information technology
- 1 2 3 4 Understand and function effectively in the socially, economically, politically and culturally diverse global environment
- 1 2 3 4 Pursue continued intellectual and professional development

10. Please rank your experiences at USMMA with regard to the following areas of service:  
**(Strongly Disagree 1 2 3 4 Strongly Agree)**

1	2	3	4	The Academy's medical services provided satisfactory care
1	2	3	4	The Academy's commissary provided nutritious meals

1	2	3	4	The Department of Information Technology (formerly the Office of Computer Resources) provided adequate support of the academic program
1	2	3	4	The Department of Information Technology (formerly the Office of Computer Resources) provided adequate support during the sea year
1	2	3	4	As a midshipman I found the environment to be supportive of my own ethical behavior and decision- making
1	2	3	4	As a midshipman I observed faculty, staff and administration displaying a high standard of ethical behavior
1	2	3	4	As a midshipman the Honor Code played an important role in the development of my own values
1	2	3	4	As a graduate I now view the Academy's regimental program as having provided an appropriate laboratory for learning leadership skills
1	2	3	4	As a graduate I now view the Academy's athletic program as having provided an appropriate laboratory for learning leadership skills
1	2	3	4	As a graduate I now view the Academy's faculty and academic officials as having embodied the leadership skills required of a ship's officer
1	2	3	4	As a midshipman I was always clear as to the mission of the Academy
1	2	3	4	As I understood the mission of the Academy while a midshipman, there is no doubt that the mission was accomplished
1	2	3	4	As a graduate I now view the Academy's Library as being fit for the purpose and supportive of the academic program

1	2	3	4	As a graduate I now view the Academy's Department of Career Services as having provided useful assistance in securing employment
1	2	3	4	As a graduate I now view the Academy's Office of Shipboard Training as having provided the necessary support in handling my midshipman sea year experiences

11. Overall, how would you rate USMMA in the following areas?

**(Poor 1 2 3 4 Excellent)**

- |   |   |   |   |                         |   |   |   |   |                                   |
|---|---|---|---|-------------------------|---|---|---|---|-----------------------------------|
| 1 | 2 | 3 | 4 | Quality of Courses      | 1 | 2 | 3 | 4 | Accessibility of faculty          |
| 1 | 2 | 3 | 4 | Variety of Courses      | 1 | 2 | 3 | 4 | Quality of instruction by faculty |
| 1 | 2 | 3 | 4 | Availability of Courses | 1 | 2 | 3 | 4 | Faculty knowledge of field        |
| 1 | 2 | 3 | 4 | Class sizes             | 1 | 2 | 3 | 4 | Quality of Academic Advising      |
| 1 | 2 | 3 | 4 | Classroom facilities    | 1 | 2 | 3 | 4 | Overall campus environment        |
| 1 | 2 | 3 | 4 | Lab Facilities          | 1 | 2 | 3 | 4 | Waterfront Facilities             |

12. Overall, how do you feel that your educational experience at USMMA prepared you for your career?

- Poor       Good       Very good       Excellent

13. How many years did it take you to graduate from USMMA?

- 4 Years       5 Year       6 Years       Other: \_\_\_\_\_

14. When did you pass your U.S. Coast Guard 3<sup>rd</sup> Engineer license?

- Prior to graduation on the first attempt     Prior to graduation but not on the first attempt     Less than a month after graduation     More than a month after graduation

15. Have you sailed on your 3/E license?:     Yes     No

### Departmental Assessment (ENGINEERING)

16. The following are the educational objectives of the Marine Engineering Majors at USMMA. To what degree have these objectives been achieved?

**(Poor 1 2 3 4 Excellent)**

- 1 2 3 4 (I) To serve as licensed engineering officer in the United States Merchant Marine, with the ability to advance to Chief Engineer
- 1 2 3 4 (II) To provide midshipmen with a broad-based marine engineering education that prepares them for a responsible position in marine related operation
- 1 2 3 4 (III) To provide midshipmen with an engineering education that also prepares them for a wide variety of professional positions in the maritime industry
- 1 2 3 4 (IV) To provide midshipmen with an engineering education that permits them to pursue graduate study in engineering or related fields and/or become licensed as a Professional Engineer, should they so choose

17. The following are the program outcomes of the Marine Engineering Majors at the USMMA. To what degree have these outcomes been achieved?

**(Poor 1 2 3 4 Excellent)**

- 1 2 3 4 (a) Ability to apply knowledge of mathematics, science, and engineering
- 1 2 3 4 (b) Ability to design and conduct experiments, as well as to analyze and interpret data
- 1 2 3 4 (c) Ability to design a system, component, or process to meet desired needs
- 1 2 3 4 (d) Ability to function on multi-disciplinary teams
- 1 2 3 4 (e) Ability to identify, formulate, and solve engineering problems
- 1 2 3 4 (f) An understanding of professional and ethical responsibility
- 1 2 3 4 (g) Ability to communicate effectively
- 1 2 3 4 (h) The broad education necessary to understand the impact of engineering solutions in global and societal context
- 1 2 3 4 (i) A recognition of the need for, and ability to engage in life-long learning
- 1 2 3 4 (j) A knowledge of contemporary issues
- 1 2 3 4 (k) Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

- 1 2 3 4 (l) Ability to apply probability and statistical methods to naval architecture and marine engineering problems
- 1 2 3 4 (m) A basic knowledge of engineering mechanics and thermodynamics in the context of marine vehicles
- 1 2 3 4 (n) A familiarity of instrumentation appropriate to naval architecture and/or marine engineering

18. Considering your experience since graduation, what courses or experiences did you find to be the most valuable in our curriculum?

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19. What skills or areas of knowledge do you feel were missing from your educational experience, or should have been covered more extensively?

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**Program (Major) Assessment (MARINE ENGINEERING SYSTEMS)**

- 20. Are you currently employed in a sailing position?  
 Yes       No       If Yes, for how many years \_\_\_\_\_
- 21. Are you currently employed in a non-sailing position?  
 Yes       No
- 22. Looking back, would you choose the same major at USMMA?  
 Yes       No       If No, what major would you have chosen?  
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23. General comments about the MES Program:

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24. Perceived strengths of the program:

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25. Program weakness/es and suggestions for improvement:

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