

Program Change Request

Date Submitted: 11/02/18 6:31 am

Viewing: **BS/MML-MARR/MAAL-GAD : Marine Engineering Technology- 5-year Bachelor of Science/Master of Maritime Admin & Logistics**

Last approved: 02/07/18 12:08 pm

Last edit: 11/08/18 8:00 pm

Changes proposed by: carrollm

Catalog Pages Using this Program

[Marine Engineering Technology - 5-year Bachelor of Science/Master of Maritime Administration and Logistics](#)

In Workflow

1. **MARE Department Head**
2. **Curricular Services Review**
3. **GV Committee Preparer UG**
4. **GV Committee Chair UG**
5. **GV College Dean UG**
6. **UCC & GC Preparers**
-UCC Preparer
-GC Preparer
7. **UCC & GC Chairs**
-UCC Chair
-GC Chair
8. **Faculty Senate Preparer**
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services

Contact(s)

Name	E-mail	Phone
Steve Bentz	bentzs@tamug.edu	409-741-7197
Matthew Carroll	carrollm@tamug.edu	409-740-4473

Academic level	Undergraduate-Graduate
Effective Term	2019-2020 Galveston
Department	Marine Engineering Technology
Department 2	Maritime Administration
College	Galveston Campus
College 2	Galveston Campus
Program type	Combination
Degree designation	BS/MML - Bachelor of Science/Master of Maritime Admin & Logistics
With a major in	Marine Engineering Technology/Maritime Admin & Logistics (MARR/MAAL)
Associated Program	Not Applicable
With a concentration in	Galveston MML 3+2 Program (GAD)

Catalog Program Title
Marine Engineering Technology- 5-year Bachelor of Science/Master of Maritime Admin & Logistics

CIP and Fund code 49030901

Rationale for Proposal

Program adjustment to accommodate the new physics courses offered by the Department of Physics and Astronomy. Also MARE 207 and MARE 209 semesters have been switched to reflect changes already made in the MARR and MARR-LIO programs. This program allows Marine Engineering Technology (MARR) majors to enter the graduate program for Master of Maritime Administration and Logistics the beginning of their senior year, enabling students to receive their MARR undergraduate degree (B.S.) and a Master of Maritime Administration and Logistics (MMAL) graduate degree in five years.

Program hours 159

Approval Path

1. 10/23/18 2:54 pm
Matthew Carroll (carrollm): Approved for MARE Department Head
2. 10/25/18 4:49 pm
Angel Mario Carrizales (carri1214): Rollback to Initiator
3. 11/02/18 6:34 am
Matthew Carroll (carrollm): Approved for MARE Department Head
4. 11/07/18 4:34 pm
Angel Mario Carrizales (carri1214): Approved for Curricular Services Review
5. 11/07/18 5:19 pm
Meredith Zalesak (zalesakm): Approved for GV Committee Preparer UG
6. 11/08/18 11:02 am
Meredith Zalesak (zalesakm): Approved for GV Committee Chair UG
7. 11/08/18 11:02 am
Meredith Zalesak (zalesakm): Approved for GV College Dean UG
8. 11/16/18 10:17 am
Sandra Williams

Is this program eligible for financial aid? Yes

Will program hours change (increase/decrease) due to the proposed curriculum changes? **No**

(sandra-williams):
Approved for UCC & GC Preparers
9. 12/14/18 2:33 pm
LaRhesa Johnson
(lrjohnson): Approved for UCC & GC Chairs

History

1. Feb 7, 2018 by Steve Bentz (bentzs)

Catalog Program Requirements

Plan of Study Grid

		Semester Credit Hours
First Year		
Fall		
CHEM 107	General Chemistry for Engineering Students	3
CHEM 117	General Chemistry for Engineering Students Laboratory	1
ENGL 104	Composition and Rhetoric	3
MARE 100	Marine Engineering Fundamentals 1	3
MATH 151	Engineering Mathematics I 2	4
MARE 485	Directed Studies	1
or MARA 485	or Directed Studies	
Semester Credit Hours		15
Spring		
ENGR 111	Foundations of Engineering I 1	2
MATH 152	Engineering Mathematics II	4
PHYS 218	Mechanics	4
MARE 111	Methods in Engineering Technology	2
PHYS 206	Newtonian Mechanics for Engineering and Science	4
PHYS 226	and Physics of Motion Laboratory for the Sciences	
American history		3
Creative arts		3
Semester Credit Hours		16
Second Year		
Fall		
ENGR 112	Foundations of Engineering II 1	2
MARE 202	Marine Thermodynamics 1,2	3
MARE 112	Graphics for Engineering Technology	2
MARE 205	Engineering Mechanics I 1,2	3
MARE 242	Manufacturing Methods I 1	2
MARE 243	Manufacturing Methods II 1	1
PHYS 208	Electricity and Optics 2	4
PHYS 207	Electricity and Magnetism for Engineering and Science	4
PHYS 227	and Electricity and Magnetism Laboratory for the Sciences	
Semester Credit Hours		15
Spring		
ACCT 229	Introductory Accounting	3
MARE 206	Engineering Mechanics II 1,2	3
MARE 207	Electrical Power I 1,2	3
MARE 211	Steam Propulsion Plants 1	3
MARE 261	Engineering Analysis	3
MARE 209	Mechanics of Materials 1	3
Semester Credit Hours		15
Third Year		
Fall		
MARE 209	Mechanics of Materials 1	3
MARE 305	Fluid Mechanics Theory 1	4
MARE 207	Electrical Power I 1	3
MARE 306	Electrical Power II 1	3
MARE 313	Heat Transfer	3
POLS 206	American National Government	3
Semester Credit Hours		16
Spring		
ACCT 230	Introductory Accounting	3

MARE 309	Marine Construction Materials 1	3
MARE 312	Diesel Propulsion Plants 1	3
POLS 207	State and Local Government	3
American history		3
	Semester Credit Hours	15
Fourth Year		
Fall		
MARE 307	Marine Electronics 1	3
MARE 405	Fundamentals of Naval Architecture 1,03	3
MARE 451	Senior Design Project I 1	2
ECON 202	Principles of Economics	3
SCMT 303	Statistical Methods	3
Communication		3
	Semester Credit Hours	17
Spring		
MARA 363	The Management Process	3
MARA 623	Economic Issues in Shipping	3
MARE 452	Senior Design Project II 1,03	2
MARA elective 04		3
MARA elective 04		3
	Semester Credit Hours	14
Fifth Year		
Fall		
MARA 624	Intermodal Transportation Operations	3
MARA 627	Marketing of Transportation Services	3
MARA 636	Managerial Decision Making	3
MARA 641	Financial Management in Marine Transportation	3
MARA elective 04,05		3
	Semester Credit Hours	15
Spring		
MARA 610	International Strategic Planning and Implementation	3
MARA 664	Production, Operations and Logistics Management 06	3
Language, philosophy and culture		3
MARA elective 04		3
MARA elective 04		3
	Semester Credit Hours	15
	Total Semester Credit Hours	153

1 Required courses in the Marine Engineering Technology major. Courses will be used to compute the major GPR.

2 MARR students are required to earn a grade of C or better in [MATH 151](#), [PHYS 206](#), [PHYS 207](#), [MARE 202](#), [MARE 205](#), [MARE 206](#) and [MARE 207](#). Failure to meet this requirement will prevent the student from continuing any sequence in which the course is a prerequisite.

~~3 The total hours may be increased if the student is required to take remedial math, remedial English, foreign language, or International and Cultural Diversity courses.~~

~~4 Designated writing intensive course.~~

~~5 Choose from Graduate Level MMAL Electives: MARA 604, MARA 616, MARA 640, MARA 650, MARA 652, MARA 658, MARA 660, MARA 670, MARA 672; MARS 620, MARS 635, MARS 640, MARS 660, MARS 676. MARA 691 may be taken as an elective for six credit hours.~~

~~6 Satisfies MARE elective requirement (Double Count).~~

~~7 Satisfies MARE major course work, eg. MARE 441, Double Count.~~

03 Designated writing intensive course.

04 Choose from Graduate Level MMAL Electives: [MARA 604](#), [MARA 616](#), [MARA 640](#), [MARA 650](#), [MARA 652](#), [MARA 658](#), [MARA 660](#), [MARA 670](#), [MARA 672](#); [MARS 620](#), [MARS 635](#), [MARS 640](#), [MARS 660](#), [MARS 676](#). [MARA 691](#) may be taken as an elective for six credit hours.

04 Satisfies MARE elective requirement (Double Count).

06 Satisfies MARE major course work, eg. [MARE 441](#), Double Count.

All electives must be chosen in consultation with, and approved by, the student's academic advisor. Unless courses are specifically listed, see [University Core Curriculum](#) for a listing of course options for Communication; Mathematics; Life and Physical Sciences; Language, Philosophy and Culture; Creative Arts; American History; Government and Political Sciences; and Social and Behavioral Sciences. The **3-hour six-hour** University Core Curriculum requirement for International and Cultural Diversity **and the 3-hour University Core Curriculum requirement for Cultural Discourse** may be met with courses used to satisfy other degree **requirements.**

~~requirements-~~

Although they may count for university credit, grades from another institution below a C in engineering, mathematics and physics will not be accepted by the TAMUG engineering programs toward the degree.

The total hours may be increased if the student is required to take remedial math, remedial English, foreign language, or International and Cultural Diversity courses.

Additional information

Required Proposal	Memos of Support MARE MARR.pdf
Forms	IAB Survey 2017.docx
	Degree Eval 3+2 MAREMAAL.docx

[PresidentApprovalFacultySenateItems091117.pdf](#)

[DEGEVAL MARR 3+2 10-23-2018.pdf](#)

[Physics Letter 9-19-2018.pdf](#)

Reviewer Comments

Matt Kane (kanem) (10/24/18 9:49 am): Need to also switch MARE 207/209 to parallel other undergrad programs.

Angel Mario Carrizales (carri1214) (10/25/18 4:49 pm): Rollback: Please address the following. 1) Remove documents that apply to the previous submission. 2) Update the Rationale for Proposal. 2) PHYS 208 and PHYS 218 are still listed in footnote 2. 3) Update footnote 3 and the paragraphs referring to the International and Cultural Diversity (ICD) to include the new Cultural Discourse (CD) requirement. (3 hrs of ICD and 3 hrs of CD)

Angel Mario Carrizales (carri1214) (11/07/18 4:32 pm): Edits made to conform to catalog style guidelines.

Angel Mario Carrizales (carri1214) (11/07/18 4:34 pm): Initial concerns addressed.

Sandra Williams (sandra-williams) (11/16/18 10:17 am): Note: GV GIC approved the changes on the 3+2 program.

Sandra Williams (sandra-williams) (12/10/18 4:39 pm): UCC approved December 2018.

Key: 830

Area : Work Not Applied - Met
Description : See advisor for acceptable substitutions.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Courses not applied													
														Total Credits and <u>GPA</u>	0.000	.00

unofficial evaluation

Area : University Writing Requirement - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Writing Requirement													
														Select two courses with the Writing Requirement [UWRT] attribute.		
														Total Credits and <u>GPA</u>	0.000	.00

unofficial evaluation

Area : Int'l & Cult Diversity - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Int'l & Cultural Diversity													
														6 hours required. Select from courses with the International and Cultural Diversity attribute [UICD].		
														Total Credits and <u>GPA</u>	0.000	.00

unofficial evaluation

Area : Foreign Language - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Foreign Language Rqmt													
														Complete one of the following: 1. Two years of the same foreign language in High School. 2. A two semester sequence of the same foreign language for University credit.		
														Total Credits and <u>GPA</u>	0.000	.00

unofficial evaluation

Area : GPR-Major - Not Met

Description : A minimum GPR of 2.000 must be maintained on all major field of study courses.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Major GPR 60+hrs													
														Includes ENGR 111, 112; MARE 100-499.		
														Total Credits and <u>GPA</u>	0.000	.00

unofficial evaluation

Area : Residence Requirement - Not Met

Description : Student must complete minimum of 36 hours of 300-400 level course work at Texas A&M University, 12 hours must be in field of study.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
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No A. Residence - Major 12hrs
No AND B. Residence 24hrs

Total Credits and GPA 0.000 .00

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MEMORANDUM

Date: 19 September 2018
To: Departmental Advisors
From: Department of Physics & Astronomy
Subject: Changes in Calculus-based introductory Physics courses

1. PHYS218 will not be offered in Spring 2019 and beyond. All students with this course in their degree plan, should instead enroll in PHYS 206 (3CR lecture+recitation) and one of these laboratory courses:

- Engineering students: ENGR/PHYS 216 (2 CR)
- All other students: PHYS 226 (“Physics of Motion Lab”, 1 CR) – please register for PHYS 289 in Spring and Summer 2019.

2. PHYS208 will not be offered in Summer 2019 and beyond. All students with this course in their degree plan, should instead enroll in PHYS 207 (3CR lecture+recitation) and one of these laboratory courses:

- Engineering students: ENGR/PHYS 217 (2 CR)
- All other students: PHYS 227 (“Electricity & Magnetism Lab”, 1 CR) – please register for PHYS 289 in Summer 2019.

3. We will clearly indicate which PHYS289 sections map to PHYS226 and 227 for the Summer 2019 term. Please remind your students to pay attention during registration...

4. Please remember to update your degree plans and catalog pages accordingly. We will begin the CARS process for PHYS226/227 early next week.

5. If you have any questions, please contact Heather Walker, hwalker@tamu.edu, x5-7717