



Marine Engineering Diploma Program Textbook Listing (Term 1)

For all terms:

Required textbooks MUST be brought to class.

Recommended textbooks are an additional resource you may find helpful, but do not need to be purchased or brought to class.

MEOC 1200 – BASIC ENGINEERING SCIENCES	REQ./REC. Texts
Engineering Science by E. Hughes, C. Hughes, & W. Bolton <i>(Also used in MEOC 1212)</i>	Required
Reeds Mathematical Tables and Engineering Formulae by D. Reid <i>(Also used in MEOC 1207, 1212, 1216, 2202, 2215, 2216, 2212, 3216, 3217)</i>	Required
MEOC 1202 – ELECTRICAL TECHNOLOGY 1	
Introduction to Electric Circuits (with free Lab Manual) by H.W. Jackson, D. Temple, & B. Kelly <i>(Please note that the BCIT Bookstore only carries the Text & Lab Manual as a package), and students may purchase the text elsewhere, at a lower cost, as the lab manual is not required)</i>	Required
MEOC 1203 – ENGINEERING KNOWLEDGE 1	
Introduction to Marine Engineering by D.A. Taylor <i>(Also used in MEOC 2203)</i>	Required
Volume 8: General Engineering Knowledge for Marine Engineers (Reed's Marine Engineering Series) by P.A. Russell, L. Jackson, & T.D. Morton <i>(Also used in MEOC 2203)</i>	Required
Volume 12: Motor Engineering Knowledge for Marine Engineers (Reed's Marine Engineering Series) by P. Russell, T. Morton, & L. Jackson <i>(Also used in MEOC 2203)</i>	Required
Industrial Hydraulics Manual by Eaton Hydraulics	Required
MEOC 1206 – INTRODUCTION TO LOGIC CIRCUITS	
Digital Electronics: Principles and Applications by R.L. Tokheim	Required
MEOC 1207 – MATHEMATICS	
Volume 1: Mathematics for Engineers (Reeds Marine Engineering and Technology) by K. Corner, L. Jackson, & W. Embleton	Required
Reeds Mathematical Tables and Engineering Formulae by D. Reid	Required
MEOC 1209 – SHIP CONSTRUCTION	
Ship Construction by D.J. Eyres	Required

MEOC 1211 – SKILLS TRAINING	
Machine Tool Practices (Canadian Edition) by R.R. Kibbe	Required
Trades Common Core – Line G: Use Power Tools	Required
Trades Common Core – Line J: Oxyacetylene Cut and Weld	Required
MEOC 1991 – CO-OPERATIVE TRAINING 1	
On Board Training Record Book for Officers in Charge of an Engineering Watch (Engine Cadets)	Required
MSSM 1600 – OIL AND CHEMICAL TANKER FAMILIARIZATION	
<i>For this course, Engineers do NOT NEED TO PURCHASE any recommended texts. These are a helpful reference ONLY.</i>	
Tanker Operations: A Handbook for the Person-In-Charge (PIC) by Mark Huber and G.S. Marton	Recommended
Tanker Handbook for Deck Officers by C. Baptist (<i>Out of print – Find on secondary market</i>)	Recommended
International Safety Guide for Oil Tankers and Terminals (ISGOTT) by the International Chamber of Shipping available from the Nautical Mind	Recommended
Tanker Safety Guide (Chemicals) by the International Chamber of Shipping	Recommended
Petroleum Tankship Safety by R.C. Page (<i>Out of print – Find on secondary market</i>)	Recommended
Chemical Tanker Notes by V. Kunichkin (<i>Out of print – Find on secondary market</i>)	Recommended



**Marine Engineering Diploma Program Textbook Listing
(Term 3)**

MEOC 1212 – APPLIED MECHANICS 1		<i>REQ./REC. Texts</i>
Volume 2: Applied Mechanics for Engineers (Reed’s Marine Engineering Series) by W. Embleton & L. Jackson		Required
Engineering Science by E. Hughes, C. Hughes, & W. Bolton		Required
Reeds Mathematical Tables and Engineering Formulae by D. Reid		Required
MEOC 1213 – AUTOMATION AND CONTROLS 1		
Instrumentation and Process Control by F.W. Kirk, T.A. Weedon, & P. Kirk <i>(Also used in MEOC 2213, 3213)</i>		Required
MEOC 1214 – MAINTENANCE AND REPAIR OF DIESEL ENGINES		
Volume 12: Motor Engineering Knowledge for Marine Engineers (Reed’s Marine Engineering Series) by P. Russell, T. Morton, & L. Jackson		Recommended
MEOC 1215 – NAVAL ARCHITECTURE 1		
Volume 4: Naval Architecture for Marine Engineers (Reed’s Marine Engineering Series) by E.A. Stokoe		Required
Ship Stability for Masters and Mates by Barrass/Derrett		Required
Reeds Mathematical Tables and Engineering Formulae by D. Reid		Required
MEOC 1216 – THERMODYNAMICS 1		
Volume 3: Applied Thermodynamics for Marine Engineers (Reed’s Marine Engineering Series) by W. Embleton & L. Jackson		Required
Reeds Mathematical Tables and Engineering Formulae by D. Reid		Required
ASME Steam Tables (SI Metric)		Recommended
MEOC 2202 – ELECTRICAL TECHNOLOGY 2		
Introduction to Electric Circuits (with free Lab Manual) by H.W. Jackson, D. Temple, & B. Kelly <i>(Please note that the BCIT Bookstore only carries the Text & Lab Manual as a package), and students may purchase the text elsewhere, at a lower cost, as the lab manual is not required)</i>		Required

MEOC 2203 – ENGINEERING KNOWLEDGE 2

Volume 8: General Engineering Knowledge for Marine Engineers (Reed's Marine Engineering Series) by P.A. Russell, L. Jackson, & T.D. Morton	Required
Volume 12: Motor Engineering Knowledge for Marine Engineers (Reed's Marine Engineering Series) by P. Russell, T. Morton, & L. Jackson	Required
Introduction to Marine Engineering by D.A. Taylor	Required
Volume 9: Steam Engineering Knowledge for Marine Engineers (Reed's Marine Engineering Series) by L. Jackson & T.D. Morton (<i>Also used in MEOC 3203</i>)	Required
Marine Medium Speed Diesel Engines (Marine Engineering Practice) by D. Griffiths	Required



**Marine Engineering Diploma Program Textbook Listing
(Term 5)**

MEOC 1220 – REFRIGERATION AND AIR CONDITIONING 1		<i>REQ./REC. Texts</i>
Volume 8: General Engineering Knowledge for Marine Engineers (Reed's Marine Engineering Series) by P.A. Russell, L. Jackson, & T.D. Morton		Required
MEOC 2209 – SHIP CONSTRUCTION 2		
Ship Construction by D.J. Eyres		Required
Ship Stability for Mates and Masters by M. Rhodes		Required
MEOC 2213 – AUTOMATION AND CONTROLS 2		
Instrumentation and Process Control by F.W. Kirk, T.A. Weedon, & P. Kirk		Required
MEOC 2215 – NAVAL ARCHITECTURE 2		
Volume 4: Naval Architecture for Marine Engineers (Reed's Marine Engineering Series) by E.A. Stokoe		Required
Ship Stability for Masters and Mates by Barrass/Derrett		Required
Ship Construction by D.J. Eyres		Required
Reeds Mathematical Tables and Engineering Formulae by D. Reid		Required
MEOC 2216 – THERMODYNAMICS 2		
Volume 3: Applied Thermodynamics for Marine Engineers (Reed's Marine Engineering Series) by W. Embleton & L. Jackson		Required
Reeds Mathematical Tables and Engineering Formulae by D. Reid		Required
ASME Steam Tables (SI Metric)		Recommended
MEOC 3202 – ELECTRICAL TECHNOLOGY 3		
Introduction to Electric Circuits (with free Lab Manual) by H.W. Jackson, D. Temple, & B. Kelly <i>(Please note that the BCIT Bookstore only carries the Text & Lab Manual as a package), and students may purchase the text elsewhere, at a lower cost, as the lab manual is not required)</i>		Required
Alternating Current Fundamentals by S.L. Herman		Required
Practical Marine Electrical Knowledge by D.T. Hall		Recommended

MEOC 3203 – ENGINEERING KNOWLEDGE 3	
Marine Low Speed Diesel Engines by Dr. D. Griffiths	Required
Operation and Maintenance of Machinery in Motorships by N.E. Chell	Required
Volume 9: Steam Engineering Knowledge for Marine Engineers (Reed's Marine Engineering Series) by L. Jackson & T.D. Morton	Required
Volume 12: Motor Engineering Knowledge for Marine Engineers (Reed's Marine Engineering Series) by P. Russell, T. Morton, and L. Jackson	Required
Volume 8: General Engineering Knowledge for Marine Engineers (Reed's Marine Engineering Series) by P.A. Russell, L. Jackson, and T.D. Morton	Required
Pounder's Marine Diesel Engines and Gas Turbines by D. Woodyard (<i>Also used in MEOC 4205</i>)	Recommended
Marine Boilers by G.T.H. Flanagan (<i>Also used in MEOC 4205</i>)	Recommended
Feed Water Systems and Treatment (Marine Engineering Series) by G.T.H. Flanagan (<i>Out of print – Find on secondary market</i>) (<i>Also used in MEOC 4205</i>)	Recommended
Steam Turbines and Gearing by G.J. Roy (<i>Out of print – Find on secondary market</i>) (<i>Also used in MEOC 4205</i>)	Recommended



**Marine Engineering Diploma Program Textbook Listing
(Term 7)**

MEOC 1224 – DRY DOCKING AND CORROSION CONTROL		<i>REQ./REC. Texts</i>
Volume 8: General Engineering Knowledge for Marine Engineers (Reed's Marine Engineering Series) by P.A. Russell, L. Jackson, & T.D. Morton		Required
MEOC 2212 – APPLIED MECHANICS 2		
Volume 2: Applied Mechanics for Engineers (Reed's Marine Engineering Series) by W. Embleton & L. Jackson		Required
Applied Mechanics by J. Hannah & M.J. Hillier Young		Required
Reeds Mathematical Tables and Engineering Formulae by D. Reid		Required
MEOC 2220 – REFRIGERATION AND AIR CONDITIONING 2		
Volume 8: General Engineering Knowledge for Marine Engineers (Reed's Marine Engineering Series) by P.A. Russell, L. Jackson, & T.D. Morton		Required
MEOC 3209 – SHIP CONSTRUCTION 3		
Ship Construction by D.J. Eyres		Required
Ship Stability for Mates and Masters by M. Rhodes		Required
MEOC 3213 – AUTOMATION AND CONTROLS 3		
Digital Electronics: Principles and Applications by R.L. Tokheim		Required
Instrumentation and Process Control by F.W. Kirk, T.A. Weedon, & P. Kirk		Required
MEOC 3216 – THERMODYNAMICS 3		
Volume 3: Applied Thermodynamics for Marine Engineers (Reed's Marine Engineering Series) by W. Embleton & L. Jackson		Required
Reeds Mathematical Tables and Engineering Formulae by D. Reid		Required
ASME Steam Tables (SI Metric)		Recommended
MEOC 3217 – NAVAL ARCHITECTURE 3		
Volume 4: Naval Architecture for Marine Engineers (Reed's Marine Engineering Series) by E.A. Stokoe		Required
Ship Stability for Masters and Mates by Barrass/Derrett		Required
Reeds Mathematical Tables and Engineering Formulae by D. Reid		Required

MEOC 4204 – ELECTRICAL TECHNOLOGY 4	
Alternating Current Fundamentals by S.L. Herman	Required
Practical Marine Electrical Knowledge by D.T. Hall	Recommended
MEOC 4205 – ENGINEERING KNOWLEDGE 4	
Marine Low Speed Diesel Engines by Dr. D. Griffiths	Required
Operation and Maintenance of Machinery in Motorships by N.E. Chell	Required
Volume 9: Steam Engineering Knowledge for Marine Engineers (Reed's Marine Engineering Series) by L. Jackson & T.D. Morton	Required
Volume 12: Motor Engineering Knowledge for Marine Engineers (Reed's Marine Engineering Series) by P. Russell, T. Morton, and L. Jackson	Required
Volume 8: General Engineering Knowledge for Marine Engineers (Reed's Marine Engineering Series) by P.A. Russell, L. Jackson, and T.D. Morton	Required