Nautical Sciences Diploma Program
Textbook Listing
Term 1 *(3 year program)*

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.

MSSM 1205 – SEAMANSHIP	
Course manual: Seamanship	Required
Seamanship Techniques: Shipboard and Marine Operations by D.J. House	Required
GMDS 1800 – GMDSS – GENERAL OPERATOR'S CERTIFICATE	
Course manual: Global Maritime Distress and Safety System (ROC-MC) (Same manual as GMDS 1500, if this was taken previously.)	Required
MEDI 1510 – STCW BASIC SAFETY	
Course manual: STCW Basic Safety	Required
MEDI 1810 – STCW PROFICIENCY IN SURVIVAL CRAFT	
Course manual: STCW Proficiency in Survival Craft	Required
MSEC 1010 – SHIP SECURITY OFFICER	
Course manual: Ship Security	Required
NAUT 1225 – SHIP NAVIGATION SAFETY 1	
A Guide to the Collision Avoidance Rules by A.N. Cockcroft & J.N.F. Lameijer	Required
Bridge Procedures Guide by the International Chamber of Shipping available from the Nautical Mind	Recommended
NAUT 1241 – MATHEMATICS	
Basic Mathematics with Applications to Science and Technology (Schaum's Outlines) by H. Kruglak	Required
NAUT 1248 – PHYSICAL SCIENCE	
Applied Physics (Schaum's Outlines) by A. Beiser	Required
Basic Electricity (Schaum's Outlines) by M. Gussow	Required

NAUT 1805 – COMMUNICATIONS 1	
International Code of Signals by the International Maritime Organization *(Out of print – Find on secondary market)*	Recommended
NAUT 1809 – COMMUNICATIONS 2	
IMO SMCP: IMO Standard Marine Communication Phrases by the International Maritime Organization *(Out of print – Find on secondary market)* ***(This is provided in class for the students – Do not need to purchase)***	Recommended
NAUT 1990 – CO-OPERATIVE TRAINING 1	
On Board Training Record Book for Officers in Charge of a Navigational Watch (Deck Cadets)	Required

Nautical Sciences Diploma Program
Textbook Listing
Term 3 *(3 year program)*

ENAV 1030 – ELECTRONIC POSITIONING SYSTEMS	
Course manual: Electronic Positioning Systems	Required
Student workbook: Electronic Positioning Systems	Required
The American Practical Navigator by N. Bowditch	Recommended
Electronic Navigation Systems by L. Tetley & D. Calcutt	Recommended
Worked Examples in Relative Radar Plotting by I.W. Bagshaw *(Out of print – Find on secondary market)*	Recommended
NAUT 1203 – TERRESTRIAL NAVIGATION	
Practical Navigation for Officers of the Watch by A. Frost	Required
The American Practical Navigator by N. Bowditch	Recommended
NAUT 1820 – CHARTWORK & PILOTAGE 2	
Course manual: Chartwork and Pilotage 2	Required
Student workbook: Chartwork and Pilotage 2	Required
The American Practical Navigator by N. Bowditch	Recommended
Chart No. 1: Symbols, Abbreviations and Terms Used on Nautical Charts by the Canadian Hydrographic Service	Recommended
NAUT 1850 – METEOROLOGY 1	
Reeds Maritime Meteorology by M. Cornish & E. Ives	Required
Meteorology Self-Instruction (Environment Canada)	Recommended
Notes on Meteorology by Kemp & Young	Recommended
Meteorology for Seafarers by R.M. Frampton and P.A. Uttridge	Recommended
Instant Weather Forecasting by A. Watts	Recommended
NAUT 1877 – CARGO 2	
Course manual: Cargo 2	Required
NAUT 2204 – CELESTIAL NAVIGATION	
Practical Navigation for Officers of the Watch by A. Frost	Required
The American Practical Navigator by N. Bowditch	Recommended

Nautical Sciences Diploma Program
Textbook Listing
Term 5 *(3 year program)*

ENAV 1070 – SIMULATED ELECTRONIC NAVIGATION – OPERATIONAL	
Course manual: Simulated Electronic Navigation - Operational	Required
Bridge Procedures Guide by the International Chamber of Shipping available from the Nautical Mind	Recommended
A Guide to the Collision Avoidance Rules by A.N. Cockcroft & J.N.F. Lameijer	Recommended
ENAV 3105 – ELECTRONIC CHART DISPLAY AND INFORMATION SYSTEM	
Course manual: ECDIS	Required
The ECDIS Manual: Volume 1 by P. Thornton	Recommended
ECDIS Basics: A Guide to the Operational Use of Electronic Chart Display and Information Systems by R. Becker-Heins	Recommended
Integrated Bridge Systems Vol. 2: ECDIS and Positioning by Dr. A. Norris	Recommended
NAUT 2226 – SHIP NAVIGATION SAFETY 2	
A Guide to the Collision Avoidance Rules by A.N. Cockcroft & J.N.F. Lameijer	Required
Bridge Procedures Guide by the International Chamber of Shipping available from the Nautical Mind	Recommended
A Seaman's Guide to the Rule of the Road by J.W.W. Ford *(Out of print – Find on secondary market)*	Recommended
Bridge Team Management: A Practical Guide by Capt. A.J. Swift available from the Nautical Mind	Recommended
NAUT 3206 – SHIP CONSTRUCTION	
Ship Construction by D.J. Eyres	Required
Ship Knowledge: Ship Design, Construction, and Operation by K. Van Dokkum	Recommended
NAUT 3212 – SHIP STABILITY	
Ship Stability for Masters and Mates by Barrass/Derrett	Required
Reference book: Ship Stability Booklet: Gypsum Centennial (Book 1 of 2)	In class use
Reference book: Ship Stability Booklet: Atlantic Vision	In class use
Ship Stability for Mates and Masters by M. Rhodes	Recommended
Merchant Ship Stability by H.J. Pursey	Recommended