

2.1.3 Marine Institute

Sending Institution	Receiving Institution	
Marine Institute	College of the North Atlantic	Memorial University (St. John's/Grenfell Campuses)
Biology		
Biology 1100	Biology BL1500	¹ Biology 1001
Biology 2100		¹ Biology - three unspecified credit hours (first year level)
Biology 2201 OR 2102 OR 2105	Microbiology BL 2400 AND BL 2410	¹ Biology 3050
Biology 2202		¹ Biology 3052
Biology 3100		¹ Biology – three unspecified credit hours (third year level)
Chemistry		
Chemistry 1100	Chemistry CH1120	Chemistry - three unspecified credit hours
Chemistry 1200		
Communications		
Communications 111 AND 121	Technical Report Writing I CM1400 AND Writing Fundamentals CM1100 AND Workplace Correspondence CM2100	
Communications Skills 1100	Technical Report Writing I CM1400	
Communication Skills 1200	Technical Report Writing II CM1401	

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Marine Institute	College of the North Atlantic	Memorial University (St. John's/Grenfell Campuses)
Computer Science		
Computer Applications 1100	Productivity Tools MC1150	
Engineering		
Digital Fundamentals 3106	Digital Electronics DP1110	
Digital Logic 2102	Digital Electronics DP1110	
Electrical Practice 2300	Analog Electronics (M,E) PE2100	
Electrotechnology 227	Physics 1321	
Electrotechnology 1100	Electrotechnology ET1100	
Electrotechnology 1200	Electrotechnology ET1101	
Engineering Graphics 1100	Engineering Graphics EG1110	
Fluids 3100	Fluid Power (Hydraulics/ Pneumatics) FM3100	
Hydraulics 312 AND 322	Hydraulics WA1100	
Materials and Processes 2100	Materials and Processes CF1100	
Mathematics		
Mathematics 1100	Mathematics MA1100 OR MA1700	
Mathematics 1101 AND 1200	Mathematics MA1101	² Mathematics 1000
Mathematics 1102		Mathematics 1090
Mathematics 1103		Mathematics 1000

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Mathematics 1111 AND 1211		Mathematics 1090
Mathematics 111 AND 121 AND 211 AND 221 OR 111 AND 124 AND 211 AND 224	Mathematics MA1100 OR MA1700 AND MA1101	
Mathematics 111 AND 121 AND 211 AND 223	Mathematics MA1100 OR MA1700 AND MA1101	
Physics		
Physics 1100 OR 1050	Physics I PH1100	
Physics 1100	Physics I PH1100, Introductory Physics II PH1120	
Physics 1200	Physics PH1101	
Physics 1200 OR 1051 AND Electrotechnology 1100 AND 1200	Physics PH1101 OR PH1200 AND Electrotechnology ET1100 AND ET1101	
Physics 1100, 1200 AND Electrotechnology 1100		Physics 1020 AND 1021
Physics 1103		Physics 1020
Statistics		
Statistics 211	Statistics MA1670	
Statistics 2108		Statistics 2500 OR 2550

Sending Institution	Receiving Institution
Marine Institute	Department of Advanced Education, Skills and Labour, Apprenticeship and Trades Certification Division
Instrumentation and Control Technician	
Electrotechnology ELTK1100	DC Theory ER1140
Electrotechnology ELTK1100	Series Parallel Circuits ER1151
Electrotechnology ELTK1100 AND Electrotechnology ELTK1200	Voltage Drop and Power Loss ER1170
Instrumentation, Controls and Automation CNTL2206 AND Advanced Controls CNTL3400	Introduction to Pressure Measurement & Calibration ER1420
Fluid Mechanics FLDS2100 AND Hydraulics and Pneumatics FDLS3100	Introduction to Fluids ER1530
Instrumentation, Controls and Automation CNTL2206 AND Advanced Controls CNTL3400	Flow Measurement ER1430
Instrumentation, Controls and Automation CNTL2206 AND Advanced Controls CNTL3400 AND Instrumentation, Controls and Automation CNTL3105	Level and Density Measurement ER1440
Instrumentation, Controls and Automation CNTL2206 AND Advanced Controls CNTL3400	Temperature Measurement ER1450
Instrumentation, Controls and Automation CNTL2206 AND Advanced Controls CNTL3400 AND Fiber Optics and Network Cabling ELTR2113 AND Digital Logic ELTR2102	Signal Transmission Systems ER1711
Basic Electronic Devices LETR1102 AND Digital Logic ELTR2102 AND Control Devices and Operational Amplifiers ELTR2213	Electronics (Circuits and Components) ER1733
Hydraulics and Pneumatics FLDS3100	Hydraulic Supply Systems I ER2430

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Marine Institute	Department of Advanced Education, Skills and Labour, Apprenticeship and Trades Certification Division
Hydraulics and Pneumatics FLDS3100	Hydraulic Supply Systems II ER2450
Marine Electrical Safety and Standards ELTK1301 AND Electrotechnology ELTK2111 AND Instrumentation, Controls and Automation CNTL2206	On-Off Control Devices ER1741
Electrotechnology ELTK1200	Single-Phase Theory ER2530
Basic Electronic Devices ELTR1102	Power Supplies ER2540
Electrical Machines and Power Systems ELTK1303 AND AC Motor Controls CNTL2111 AND Advanced Programmable Logic Controllers – PLCs CNTL3201	Drives and Motors ER2590
Programmable Logic Controllers – PLCs CNTL2207 AND Advanced Programmable Logic Controllers – PLCs CNTL3201	Trade Related Computer Use ER2600
Advanced Programmable Logic Controllers – PLCs CNTL3201	Human Machine Interface Systems ER2610
Instrumentation, Controls and Automation CNTL3105	Basic Process Control ER2620
Programmable Logic Controllers – PLCs CNTL2207	Programmable Logic Controller System ER2640
Introduction to Calculus MATH1101	Math Essentials AM1100
Introduction to Calculus MATH1101	Instrumentation and Control Math Fundamentals AM1190
Technical Communication I CMSK1102 AND Technical Communications II CMSK1201 AND Advanced Technical Communications MSTM4060	Communication Essentials CM2160

¹ Provided a grade of 60 per cent is achieved.

² Transfer credit is not automatic: award of credit will be considered on an individual basis only.