

WORLD CLASS SHIPBUILDER CURRICULUM

SUBJECT	ACADEMIC TERMS				
	1	2	3	4	5
TECHNICAL MATHEMATICS	TECHNICAL MATH I M111	TECHNICAL MATH II M112			
DRAFTING, ENGINEERING AND DESIGN	DRAFTING D111		MECHANICS M121		
NAVAL ARCHITECTURE AND MARINE ENGINEERING	SHIP CONSTRUCTION I N111				SHIP CONSTRUCTION II N222
PHYSICAL SCIENCE				PHYSICAL SCIENCE I P221	PHYSICAL SCIENCE II P222
TECHNICAL COMMUNICATIONS		TECHNICAL COMMUNICATIONS I C111			
BUSINESS PROCESSES	INTRODUCTION TO COMPUTERS C211		BUSINESS OPERATIONS AND LEADERSHIP B122	PROBLEM SOLVING B112	

TRADE RELATED EDUCATION CURRICULUM

DIMENSIONAL CONTROL TECHNICIAN

Industrial Measurement
Hull Construction Theory I
Hull Construction Theory II
Introduction to Pipefitting
Blueprint Reading Fundamentals and Procedures
Sketching and Bending Fundamentals
Machinery Installation Theory

ELECTRICIAN

DC Theory
AC Theory
Machines and Electromechanical Controls
Static Controls
Digital Electronics
Programmable Logic Controllers

HEATING & AIR CONDITIONING WORKER

All Electrical Theory Courses
Refrigeration and Air Conditioning

HEAVY METAL FABRICATOR

Hull Construction Theory I
Hull Construction Theory II

MACHINIST

Machinist Shop Theory
Numerical Control Programming

MILLWRIGHT

Machinist Shop Theory
Hydraulics I (Introduction)

NON-DESTRUCTIVE TESTER

DC Theory
AC Theory
NDT Theory

OUTSIDE MACHINIST

Machinery Installation Theory
Hydraulics I (Introduction)

PAINTER-INSULATOR

Paint and Surface Preparation
Blueprint Reading for Painters
Theory of Insulation

PIPEFITTER

Introduction to Pipefitting
Blueprint Reading Fundamentals and Procedures
Sketching and Bending
Fundamentals Piping Systems

RIGGER

Stagebuilding, Blocking, and Shoring Theory
Lifting and Handling Equipment Theory
Ventilation Theory

SHEET METAL WORKER

Blueprint and Group Sheet Reading
Materials, Machine Processes, and Tapping
Sheet Metal Layout
Advanced Print Reading

SHIPFITTER

Hull Construction Theory I
Hull Construction Theory II

WELDER

Hull Construction Theory I
Shielded Metal Arc Welding
Gas-Metal Arc Welding
Introduction to Non-Destructive Testing

WELDING EQUIPMENT REPAIRER

Hull Construction Theory I
All Electrical Theory Classes

ADVANCED PROGRAM TRACK

SUBJECT	ACADEMIC TERMS				
	1	2	3	4	5
GENERAL EDUCATION	TNCC STUDENT ORIENTATION S100/SDV 100 (T)				
TECHNICAL MATHEMATICS	TECHNICAL MATH I M111	TECHNICAL MATH II M112	PRECALCULUS I M163/MTH 163 (T)	PRECALCULUS II M165/MTH 164 (T)	APPLIED CALCULUS M270/MTH 270 (T) or CALCULUS W/ANALYTIC GEOMETRY I M173/MTH 173 (T)
DRAFTING, ENGINEERING AND DESIGN	DRAFTING D111		MECHANICS M121		
NAVAL ARCHITECTURE AND MARINE ENGINEERING	SHIP CONSTRUCTION I N111				SHIP CONSTRUCTION II N222
PHYSICAL SCIENCE				PHYSICAL SCIENCE I P221	PHYSICAL SCIENCE II P222
TECHNICAL COMMUNICATIONS		COLLEGE COMPOSITION I E111/ENG 111 (T) US HISTORY I H121/HIS 121 (T)			
BUSINESS PROCESSES	INTRODUCTION TO COMPUTERS C211		BUSINESS OPERATIONS AND LEADERSHIP B122	PROBLEM SOLVING B112	

ADVANCED CURRICULA

ENGINEERING TECHNOLOGY						
SUBJECT	ACADEMIC TERMS					
	6	7	8	9	10	11
GENERAL EDUCATION	PRINCIPLES OF ECONOMICS I E201/ECO 201 (T) STRESS MANAGEMENT H215/HLT 295 (T)				ETHICS P220/PHI 220 (T)	
DRAFTING, ENGINEERING AND DESIGN	PARAMETRIC SOLID MODELING I D241 / DRF 241 (T)	MATERIALS AND PROCESSES OF INDUSTRY M113/MEC113 (T) MECHANICS I M131/MEC 131 (T)	MECHANICS II M132/MEC 132 (T)		SHIPBUILDING DESIGN PROJECT D243	
NAVAL ARCHITECTURE AND MARINE ENGINEERING			MARINE ENGINEERING N236	NAVAL ARCHITECTURE N237		
PHYSICAL SCIENCE	LABORATORY PHYSICS I P199/PHY 199 (T) GENERAL COLLEGE PHYSICS II P202/PHY 202 (T)					COLLEGE CHEMISTRY I C221/CHM 111 (T)
OPERATIONS AND TECHNICAL COMMUNICATIONS		SHIPBUILDING OPERATIONS O233		TECHNICAL COMMUNICATIONS II C232	TECHNICAL COMMUNICATIONS III C243	
ELECTRICAL AND ELECTRONICS TECHNOLOGY		COMPUTER ELECTRONICS I E273/ETR 273 (T) DIGITAL ELECTRONICS X315	PROGRAMMABLE LOGIC CONTROLLERS X316	PRINCIPLES OF LASERS & FIBER OPTICS I E231/ETR 231 (T)		

BUSINESS ADMINISTRATION					
SUBJECT	ACADEMIC TERMS				
	6	7	8	9	10
GENERAL EDUCATION	PRINCIPLES OF ECONOMICS I E201/ECO 201 (T) STRESS MANAGEMENT H215/HLT 295 (T)	ETHICS P220/PHI 220 (T) PRINCIPLES OF ECONOMICS II E202/ECO 202 (T)			UNITED STATES HISTORY II H122/HIS 122 (T)
ACCOUNTING			PRINCIPLES OF ACCOUNTING I A211/ACC 211 (T)	PRINCIPLES OF ACCOUNTING II A212/ACC 212 (T)	
ENGLISH			COLLEGE COMPOSITION II E112/ENG 112 (T)		SURVEY OF AMERICAN LITERATURE E241/ENG 241 (T)
BUSINESS		PRODUCTION PLANNING B215	TOTAL QUALITY MANAGEMENT B209/BUS 209 (T)	HIGH PERFORMANCE WORK TEAMS B117/BUS 117 (T)	PROBABILITY & STATISTICS FOR BUSINESS & ECONOMICS B216/BUS 216 (T)
PHYSICAL SCIENCE	LABORATORY PHYSICS I P199/PHY 199 (T) GENERAL COLLEGE PHYSICS II P202/PHY 202 (T)				
OPERATIONS & TECHNICAL COMMUNICATIONS		SHIPBUILDING OPERATIONS O233		TECHNICAL COMMUNICATIONS III C243	