



**Newport News  
Shipbuilding**  
A Division of Huntington Ingalls Industries



Statement of Articulation Agreement  
Between  
Virginia Peninsula Community College  
And

The Apprentice School – Huntington Ingalls Industries- Newport News Shipbuilding

Virginia Peninsula Community College and The Apprentice School share the broad educational mission of providing opportunities for registered apprentices in the Commonwealth of Virginia to pursue knowledge and gain skills toward more rewarding careers.

Virginia Peninsula Community College and The Apprentice School recognize the benefits of facilitating course and credit transfer between the respective institutions and hereby agree:

1. That Virginia Peninsula Community College will admit those Apprentice School students who have successfully completed the World Class Shipbuilder Curriculum and who have completed the Virginia Peninsula Community College application process for admission into one of its certificate or associate degree programs.
2. That Virginia Peninsula Community College will accept Apprentice School courses and earned credits stipulated on the Course Transfer Agreement, consistent with its transfer policies, and apply those credits to the degree program in Mechanical Engineering technology, where applicable.
3. That Virginia Peninsula Community College will provide course offerings for apprentices in line with the associate degree program in Mechanical Engineering Technology with Mechatronics Specialization (956-02).
4. That Virginia Peninsula Community College and The Apprentice School will review this agreement periodically, especially when major changes are proposed by either institution.

  
\_\_\_\_\_  
Virginia Peninsula Community College (Date)  
Vice President for Academic Affairs

  
\_\_\_\_\_  
The Apprentice School (Date)  
Manager, Advanced Academics



Associate of Applied Science

THE APPRENTICE SCHOOL

4101 Washington Avenue • Newport News, VA 23607 • Telephone (757) 380-3809 • Fax (757) 688-0305

**Associate of Applied Science**

**Mechanical Engineering Mechatronics Specialization (956 – 02)**

Virginia Peninsula Community College	The Apprentice School
SDV 100 College Success Skills (1)	
ENG 111 - College Composition I (3)	
Humanities (3)	
Social Science Elective (3)	
ECO 201 Principles of Economics I (3)	
MTH 161 Pre-Calculus I (3)	
MTH 162 Pre - Calculus II (3)	
PHY 201 General College Physics I (4)	P221 and P222 Physical Science I and II (4)
PHY 202 General College Physics II (4)	
CAD 151 Engineering Drawing Fundamentals I (3)	D111 Drafting (NNAS)
CAD 211 or CAD 241 Advanced Technical Drawing or Parametric Solid Modeling (3) / (4)	D211 or D 241 Advanced Technical Drafting or Parametric Solid Modeling I (NNAS)
MEC 100 Intro to Engineering Technology (2)	
MEC 113 Materials and Processes of Industry (3)	
MEC 131 Mechanics I – Statics of Technologists (3)	
MEC 132 Mechanics II – Strength of Materials (3)	
Approved Technical Elective (3)	
MEC 155 Mechanisms (3)	
MEC 165 Applied Hydraulics, Pneumatics and Hydrostatics (3)	

MEC 140 Introduction to Mechatronics (3)	
ETR 150 Machine Control Using Relay & Programmable Logic (3)	
ELE 233 Programmable Logic Controllers Sys I (3)	X313 Applied Theory III: Polyphaser Systems & Controls X316 Programmable Logic Controllers (NNAS)
IND 243 – Principles & Apps of Mechatronics or ETR 177 Industrial Robotics & Robotics Programming (3)	
<b>Total credits 64 / 65</b>	



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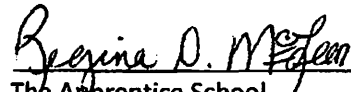
**The Apprentice School – Huntington Ingalls Industries- Newport News Shipbuilding**

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2. That Virginia Peninsula Community College will accept Apprentice School courses and earned credits stipulated on the Course Transfer Agreement, consistent with its transfer policies, and apply those credits to the degree program in Electrical Engineering Technology, where applicable.
3. That Virginia Peninsula Community College will provide course offerings for apprentices in line with the Associate of Applied Science degree program in Electrical Engineering Technology (941).
4. That Virginia Peninsula Community College and The Apprentice School will review this agreement periodically, especially when major changes are proposed by either institution.

  
 \_\_\_\_\_ 4/21/23  
 Virginia Peninsula Community College (Date)  
 Vice President for Academic Affairs

  
 \_\_\_\_\_ 3/30/23  
 The Apprentice School (Date)  
 Manager, Advanced Academics



THE APPRENTICE SCHOOL

4101 Washington Avenue • Newport News, VA 23607 • Telephone (757) 380-3809 • Fax (757) 688-0305

Associate of Applied Science  
Electrical Engineering Technology (941)

Virginia Peninsula Community College	The Apprentice School
General Education Courses	
ENG 111 - College Composition I (3)	
PHI 220 Ethics (3)	
Principles of Psychology 200 (3)	
MTH 161 Pre-Calculus I (3)	
PHY 201 General College Physics I (4)	P221 and P222 Physical Science I and II
SDV 100 College Success Skills (1)	
ELE 233 Programmable Logic Controllers Systems I (3)	X313 Applied Theory III: Polyphase Systems & Controls X316 Programmable Logic Controllers
ETR 113 DC and AC Fundamentals I (4) ETR 114 DC and AC Fundamentals II (4)	X311 Applied Theory I: DC Concepts X312 Applied Theory II: AC Concepts
ETR 148 Amplifiers and Integrated Circuits (4)	
ETR 231 Principles of Lasers and Fiber Optics I (3)	
ETR 250 Solid State Devices (4)	
ETR 261 Microprocessor Application I (4)	
ETR 279 Digital Principles, Terminology and Application (4)	
ETR 107 Programming Applications for ELE/ETR Calculations (3)	
ELE 225 Electrical Control Systems (4)	

ETR 246 Electronic Motor Drive Systems (3)	
ETR 273 Computer Electronics I (3)	
ETR 176 Introduction to Alternative Energy Including Hybrid Systems (3)	
CAD 132 Electrical and Electronics Drafting I (3)	

**Total Minimum Credits 66**



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1. That Virginia Peninsula Community College will admit those Apprentice School students who have successfully completed the World Class Shipbuilder Curriculum and who have completed the Virginia Peninsula Community College application process for admission into one of its certificate or associate degree programs.
2. That Virginia Peninsula Community College will accept Apprentice School courses and earned credits stipulated on the Course Transfer Agreement, consistent with its transfer policies, and apply those credits to the degree program in business administration.
3. That Virginia Peninsula Community College will provide course offerings for apprentices in line with the associate degree program in Business Administration (213).
4. That Virginia Peninsula Community College and The Apprentice School will review this agreement periodically, especially when major changes are proposed by either institution.

*Kenny M. S. Ragno* 4/25/23  
Virginia Peninsula Community College      Date  
Vice President of Academic Affairs

*Regina D. McLean* 3/30/2023  
The Apprentice School      Date  
Manager, Training (Academics)



THE APPRENTICE SCHOOL

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Associate of Science  
Business Administration (213)

Virginia Peninsula Community College		The Apprentice School
<b>General Education Courses</b>		
ENG 111 - College Composition I	3	
ENG 112- College Composition II or ENG 113 Technical Professional Writing	3	
CST 100 - Principle of Public Speaking	3	
PHI 220 – Ethics	3	
Humanities or Fine Arts Electives	3	
Social Science	3	
MTH 161 - Pre-Calculus I	3	
MTH 261 - Applied Calculus II	3	
Laboratory Science I - General PHY 201	4	PHYS 221 and PHYS 222 Physical Science I and II (4)
Laboratory Science II - General PHY 202	4	
SDV 100 College Success Skills	1	
<b>Major and Other Courses</b>		
ACC 211 - 212 - Principles of Accounting I and II	6	
ECO 201 - 202 - Principles of Economics I and II	6	
BUS 100 - Introduction to Business	3	BUSI 222 - Business Operations and Leadership (3)
BUS 201- Organizational Behavior	3	
BUS 204- Project Management	3	
BUS 216 - Probability & Statistics for Business & Eco (3)	3	
ITE 115 - Intro to Computer Applications & Concepts (3)	3	C211 - Introduction to Computers (3)

NOTE: Students completing Virginia Peninsula Community College's requirements must also complete a history course. Select from HIS 101, HIS 102, HIS 111, HIS 112, HIS 121, or HIS 122.

**Total Credits Hours 62/63**