



Academic and Career Planning

Positive Outcomes for Military Students

Tuesday, September 29, 2015

Enrollment & Course Planning

- **Course & Credit Transfer**
- **Course Planning**
- **Academic and Career Plans**
- **Programs of Study**
- **Using Labor Market Data to Inform and Guide**



Commonwealth of Virginia Plan of Study

 Student Name:
 School:
 Date:
Cluster: Manufacturing Pathway: Production

This Career Pathway Plan of Study can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

EDUCATION LEVELS	GRADE	English/ Language Arts	Mathematics	Science	Social Studies/ Science	Other Required Courses Recommended Electives Learner Activities	Recommended Career and Technical Courses Source: Administrative Planning Guide http://www.cteresource.org/apg/	SAMPLE – Occupations Relating to This Pathway: http://www.doe.virginia.gov/instruction/career_technical/career_clusters/sample_plans_study/index.shtml http://www.careerclusters.org http://www.cteresource.org/cp/g/
NOTE: Indicate State Course Titles and Codes								

Graduation Requirements: <http://www.doe.virginia.gov/instruction/graduation/index.shtml>

MIDDLE	7	English 7 (1110)	Math 7 (3111)	Life Science (4115)	U S History (2354)	Introduction to Technology (8483)	Inventions and Innovations (8461/8464/8485)	<ul style="list-style-type: none"> - Assembler - Automated Manufacturing Technician - Bookbinder - Calibration Technician - Electrical Installer/Repairer - Electromechanical Equipment Assembler - Extruding/Extrusion Machine Setter/Set-Up Operator - Foundry Worker - Grinding/Lapping/Buffering Machine Operator - Hand Packer/Packager - Hoist/Winch Operator - Instrument Maker - Large Printing Press Machine Setter/Set-Up Operator - Machine Operator - Medical Appliance Maker - Micro/Nano Fabrication Technicians - Milling Machine Setter/Set-Up Operator - Millwright - Pattern/Model Maker - Precision Layout Worker - Sheet Metal Worker - Solderer/Brazier - Tool/Die Maker - Welder
	8	English 8 (1120)	Math 8/Pre-Algebra (3112)	Physical Science (4125)	Civics & Economics (2357)		Technological Systems (8462/8463)	

Career Assessment: Identify an appropriate career assessment instrument at the middle school level used to help students and their parents plan for high school.

 VA Wizard or other assessment (please indicate):

SECONDARY	9	English (1130)	Algebra I (3130)	Earth Sciences (4210)	World History/ Geography I (2215)	Economics & Personal Finance (6120) Health & PE (2 years) Foreign Language (3 years) Other Electives to Complement Pathway (Core Academic and CTE):	Technology Foundations (8402)
	10	English (1140)	Geometry (3143)	Biology (4310)	World History/ Geography II (2216)		Technology Transfer (8405)
	11	English (1150)	Algebra II (3135)	Chemistry (4410)	US/VA History (2360)		Manufacturing Systems (8425)
	12	English (1160)	Advanced Mathematics (3160)	Physics (4510) or Principles of Technology I and II (9811/9812)	US/VA Government (2440)		Advanced Manufacturing Systems (8427)

High school courses in the pathway offered locally for college credit should be coded: DE (Dual Enrollment) and/or VC (Validated Credit)
Additional related certifications/credentials approved by VDOE and offered locally:
<http://www.cteresource.org/apg/> (Go to Certification – License Section)

Manufacturing Technology Assessment (NOCTI)

Workplace Readiness Skills for the Commonwealth (CTECS)

Additional Learning Opportunities:

 CTSO Organization(s): DECA FBLA FCCLA FFA
 FEA HOSA SkillsUSA TSA

Work-Based Learning:
 Career Research Cooperative Education Internship Mentorship
 Job Shadowing Service Learning Project Student Apprenticeship

Postsecondary: Placement Assessments such as Virginia Placement Test or COMPASS

College Entrance Exams such as ACT & SAT

SECONDARY	SAMPLE POSTSECONDARY PROGRAMS RELATED TO THIS CAREER PATHWAY			
	Individual plans must include locally agreed upon courses at the postsecondary level (See page 2)			
Pathway	Associate Degree, College Certificate, or Apprenticeship	Bachelors Degree	Postgraduate Degree	

Resources and Connecting Secondary and Postsecondary

- **Instruction/CTE Programs**
- **Virginia VIEW**
- **Virginia Wizard**
- **RU College & Career” Ready Magazine**



Thank You!

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