

Central Virginia Tech Prep Consortium

Contact the consortium director or your school guidance counselor for more information

Preparation for Health Care (CSC)

Subjects	SECONDARY (High School)				POSTSECONDARY (Piedmont Virginia Community College)				
	Freshman	Sophomore	Junior	Senior	Freshman A	Freshman B	Summer	Sophomore A	Sophomore B
Math	Algebra I (3130)	Geometry (3143)	Algebra II (3135)	Adv. Algebra/Trig. (3137)					
English	English 9 (1130)	English 10 (1140)	English 11 (1150)	English 12 (1160) College Comp. I & II (ENG 111-112)**	College Comp. I (ENG 111)** or Technical Writing (ENG 115)				
Science	Earth Science (4210)	Biology (4310)	Chemistry (4410)						
Social Studies/ Humanities	World Geography (2210) or World History (2340)		VA/US History (2360)	VA/US Gov. (2440)					
Health/PE	P.E. (7305)	P.E. (7405)							
Career and Technical Education	Keyboarding (6151) or Keyboarding Apps. (6152)*	Medical Terminology I (HLT 143)*	Computer Information Systems (6612/6613)*	Emergency Medical Technician/Basic I (8333)* and II (8334)*	Computer Applications and Concepts (ITE 115)*				
		Business Management (6135)*	Nursing Assistant I (8360) or Healthcare Technician (HCT 101)*	Nursing Assistant II (8362) or Healthcare Technician (HCT 102)*	Nurse Aide (NUR 27) * Medical Terminology I (HLT 143)*				
Other		Intro. to Health and Medical Sciences (8302)	Health Assistant I (8331)	Health Assistant II (8332)	Degree Related Elective*				

It is recommended that students maintain a career portfolio and obtain field experience
(i.e. observation, shadowing, internship, mentorship, etc.) as a high school Junior and/or Senior.

May Substitute Healthcare Technician I (HCT 101) and II (HCT 102) for Nursing Assistant I (8360) and II (8362). HLT 143 may be taken as distance learning course in 12th grade

* Articulation 11 Credits ** Dual Enrollment 6 Credits

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Emergency Medical Services (AAS)

Subjects	SECONDARY (High School)				POSTSECONDARY (Piedmont Virginia Community College)				
	Freshman	Sophomore	Junior	Senior	Freshman A	Freshman B	Summer	Sophomore A	Sophomore B
Math	Algebra I (3130)	Geometry (3143)	Algebra II (3135)	Adv. Algebra/Trig. (3137)					
English	English 9 (1130)	English 10 (1140)	English 11 (1150)	English 12 (1160)	College Comp. I (ENG 111)**				
				College Comp. I & II (ENG 111-112)**					
Science	Earth Science (4210)	Biology (4310)	Chemistry (4410)	Human Anatomy & Physiology I & II (BIO 141-142) ***	Human Anatomy & Physiology I (BIO 141)***	Human Anatomy & Physiology II (BIO 142)***			
Social Studies/ Humanities	World Geography (2210) or World History (2340)		VA/US History (2360)	VA/US Gov. (2440)				Social Science Elective**	Social Science Elective**
			US History I-II or US Government I-II (HIS 121-122)** (PLS 211-212)**						Humanities Elective
Health/PE	P.E. (7305)	P.E. (7405)							
Career and Technical Education	Keyboarding (6151) or Keyboarding Apps (6152)*	Computer Info Systems (6612/6613)*	Emergency Medical Technician/ Basic I (8333)*	Emergency Medical Technician /Basic II (8334)*	Intro. to Adv. Life Support Found. (EMS 151)	Adv. Pharmacology (EMS 209)		Adv. Life Support Clinical II (EMS 240) & Field Intern II (EMS 173) Ped. Basic Trauma Life Sup. (EMS 162) Ped. Adv. Life Sup. (EMS 169)	12-Lead Electro-Cardiogram (EMS 256) Med. Hazmat. (EMT 146)
				Nursing Assistant I (8360)	Nursing Assistant II (8362)	Adv. Life Support Trauma Care (EMS 157) Adv. Life Support Internship (EMS 170)	Adv. Life Support Med. Care (EMS 155) Basic ECG Interpretation (EMS 153)		Adv. Life Sup. III (EMS 242) Field III Intern. (EMS 243) Special Pop. (EMS 159) Adv. Cardiac Life Sup. (EMS 165)

Other		Intro. to Health and Medical Sciences (8302)	Health Assistant I (8331)	Health Assistant II (8332)	Basic Trauma Life Support (EMS161) Orientation (SDV 101)	Adv. Life Support Clinical Ed. Internship II (EMS 172)		Computer Applications and Concepts (ITE 115)*	Registry Review (EMS215)
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EMT Basic (EMT 106) and CPR (HLT 105) are prerequisites for admission to program

* Articulated 3 Credits ** Dual Enrollment/Dual Credit 17 Credits (***) Includes 8 Dual Credits taken at PVCC while in high school)

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Biotechnology (AAS)

Subjects	SECONDARY (High School)				POSTSECONDARY (Piedmont Virginia Community College)				
	Freshman	Sophom ore	Junior	Senior	Freshman A	Freshman B	Summer	Sophomore A	Sophomore B
Math	Algebra I (3130)	Geometry (3143)	Algebra II (3135)	Adv. Algebra/Trig. (3137)	Math for Liberal Arts (MTH 152)	Elementary Statistics (MTH 157)			
	Geometry (3143)	Algebra II (3135)	Adv. Algebra/Trig. (3137)	Pre-Calculus (MTH 163)**					
English	English 9 (1130)	English 10 (1140)	English 11 (1150)	English 12 (1160)	College Comp. I (ENG 111) **	Technical Writing (ENG 115) or College Comp. II (ENG 112)**			Principles of Public Speaking (SPD 100)
				College Comp. I & II (ENG 111-112)**					
Science	Earth Science (4210)	Biology (4310)	Chemistry (4410)	Biology I & II (BIO 101-1-2)**	General Chemistry I with Lab. (CHM 101)	General Chemistry II with Lab. (CHM 102)			
Social Studies	World Geography (2210) or World History (2340)		VA/US History (2360)	VA/US Gov. (2440)				Social Science Elective**	Social Science Elective**
				Principles of Soc. (SOC 200)** Principles of Psych (PSY 200)**					
Health/PE	P.E. (7305)	P.E. (7405)						Health/PE Elective (HLT/PED)	Health/PE Elective (HLT/PED)
Career and Technical Education		Computer Info Systems (6612/6613)*			General Biology I with Lab. (BIO 101)**	General Biology II with Lab. (BIO 102)**		Biotech. I: Protein Research with Lab. (BIO 251)	Biotech. II DNA Research with Lab. (BIO 252)

	Keyboarding (6151) or Keyboarding Apps. (6152)*				Intro. to Careers in Biology (BIO 180) Orientation (SDV 101)	Computer Applications and Concepts (ITE 115)*		Microbiology with Lab. (NAS 185)	Degree Related Elective
Other			Fund. Of Speech (1300)	Business Management (6135)*	Biotechnology Methods (BIO 170)			Introduction to Business (BUS 100)*	Bio Medical Ethics (PHI 227)

It is recommended that students maintain a career portfolio and obtain field experience (i.e. observation, shadowing, internship, mentorship, etc.) as a high school Junior and/or Senior.

* Articulated 6 Credits ** Dual Enrollment 20 Credits

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Nursing (AAS)

Subjects	SECONDARY (High School)				POSTSECONDARY (Piedmont Virginia Community College)				
	Freshman	Sophomore	Junior	Senior	Freshman A	Freshman B	Summer	Sophomore A	Sophomore B
Math	Algebra I (3130)	Geometry (3143)	Algebra II (3135)	Adv. Algebra/Trig. (3137)					
English	English 9 (1130)	English 10 (1140)	English 11 (1150)	English 12 (1160) College Comp. I & II (ENG 111-112)**	College Comp. I (ENG 111)**	College Comp. II (ENG 112)**			
Science	Earth Science (4210)	Biology (4310)	Chemistry (4410)	Anatomy & Physiology I & II (BIO 141-142)***	Human Anatomy & Physiology I (BIO 141)***	Human Anatomy & Physiology II (BIO 142)***		Intro. to Microbiology (NAS 185)	
Social Studies/ Humanities	World Geography (2210) or World History (2340)		VA/US History (2360)	VA/US Gov. (2440)	Developmental Psychology (PSY 230)**				Humanities Elective Principles of Sociology (SOC 200)**
Health/PE	P.E. (7305)	P.E. (7405)							
Career and Technical Education	Keyboarding (6151) or Keyboarding Apps (6152)*		Computer Info. Systems (6612/6613)*	Medical Systems Administration (6730)	Nursing Principles and Concepts I (NUR 108)	Nursing II (NUR 112)		Medical/Surgical Nursing (NUR 202)	Nursing Dimensions (NUR 254)

		Intro. to Health and Medical Sciences (8302)	Nursing Assistant I (8360)*	Nursing Assistant II (8362)*	Health Assessment (NUR 226)	Pharmacology (NUR 230)		Psychiatric Nursing (NUR 201)	Maternity Newborn Nursing (NUR 245)
			Health Asst. I (8331)	Health Asst. II (8332)					
Other		Principles of Sociology (SOC 200)**	Developmental Psychology (PSY 230)**	Emergency Medical Technician/Basic I (8333)* and II (8334)*	Intro to Nursing and Health (NUR 100) * CPR for Healthcare Providers. (EMT 109)*	Orientation (SDV 101)		Computer Applications and Concepts (ITE 115)*	Parent/Child Nursing (NUR 246)

It is recommended that students maintain a career portfolio and obtain field experience (i.e. observation, shadowing, internship, mentorship, etc.) as a high school Junior and/or Senior.

* Articulated 5 Credits ** Dual Enrollment/Dual Credit 20 Credits (***) Includes 8 Dual Credit taken at PVCC)

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Surgical Technology I

Subjects	SECONDARY (High School)				POSTSECONDARY (Piedmont Virginia Community College)				
	Freshman	Sophomore	Junior	Senior	Freshman A	Freshman B	Summer	Sophomore A	Sophomore B
Math	Algebra I (3130)	Geometry (3143)	Algebra II (3135)	Adv. Algebra/Trig. (3137)					
English	English 9 (1130)	English 10 (1140)	English 11 (1150)	English 12 (1160) College Comp. I & II (ENG 111-112)**			College Comp. I (ENG 111)**		
Science	Earth Science (4210)	Biology (4310)	Chemistry (4410)	Human Anatomy & Physiology I & II (BIO 141-142)***	Human Anatomy and Physiology I (BIO 141)***	Human Anatomy and Physiology II (BIO 142)***	Microbiology (NAS 185)		
Social Studies/Humanities	World Geography (2210) or World History (2340)		VA/US History (2360)	VA/US Gov. (2440)					
Health/PE	P.E. (7305)	P.E. (7405)			CPR for Healthcare Providers (EMT 109)				

Career and Technical Education		Computer Info Systems (6612)*	Emergency Medical Technician/Basic I (8333)*	Emergency Medical Technician/Basic II (8334)*	Introduction to Surgical Care (SUR 140)	Surgical Pharmacology (SUR 250)	Clinical Practicum (SUR 260)		
	Keyboarding (6151) or Keyboarding Apps. (6152)*	Medical Systems Admin. (6730)	Nursing Assistant I (8360)*	Nursing Assistant II (8362)* Emergency Medical Technician/Basic I (8633)* and II (86334)*	Fundamentals of Surgical Care (SUR 145)	Surgical Procedures (SUR 210)	Professional Issues (SUR 254)		
Other		Intro. to Health and Medical Sciences (8302)		Medical Terminology (HLT 143)**	Medical Terminology (HLT 143)**	Orientation (SDV 101)			

Medical Terminology (HLT 143) may be taken as distance learning course in the 12TH grade.

* Articulated Credits 3 credits ** Dual Enrollment 14 Credits (***) Includes 8 Dual Credits taken at PVCC while in high school)

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Patient Admission Coordinator (CSC)

Subjects	SECONDARY (High School)				POSTSECONDARY (Piedmont Virginia Community College)				
	Freshman	Sophomore	Junior	Senior	Freshman A	Freshman B	Summer	Sophomore A	Sophomore B
Math	Algebra I (3130)	Geometry (3143)	Algebra II (3135)	Adv. Algebra/Trig. (3137)					
English	English 9 (1130)	English 10 (1140)	English 11 (1150)	English 12 (1160) College Comp. I & II (ENG 111-112)**					
Science	Earth Science (4210)	Biology (4310)	Chemistry (4410)						
Social Studies/ Humanities	World Geography (2210) or World History (2340)		VA/US History (2360)	VA/US Gov. (2440)					
Health/PE	P.E. (7305)	P.E. (7405)							

Career and Technical Education	Keyboarding (6151) or Keyboarding Apps. (6152)*	Medical Terminology I (HLT 143)**	Computer Information Systems (6612/6613)*	Emergency Medical Technician/Basic I (8333)* and II (8334)*	Computer Applications and Concepts (ITE 115)*				
		Business Management (6135)*	Nursing Assistant I (8360) or Healthcare Technician (HCT 101)*	Nursing Assistant II (8362) or Healthcare Technician (HCT 102)*	Health Information Procedures (HIT 131) Medical Terminology I (HLT 143)**	Reimbursement Issues in Medical Practice Management (HIT 151)			
Other		Intro. to Health and Medical Sciences (8302)	Health Assistant I (8331)	Health Assistant II (8332)	Ambulatory Coding & Classification (HIT 115)	Quality and Productivity Management (BUS 208)			

It is recommended that students maintain a career portfolio and obtain field experience (i.e. observation, shadowing, internship, mentorship, etc.) as a high school Junior and/or Senior.

* Articulation 3 Credits ** Dual Enrollment 3 Credits