CENTRAL CAROLINA COMMUNITY COLLEGE

Health Sciences

Program Planning Guide

Pre-Veterinary Medical Technology Program (A55280VT)

The pre-veterinary medical technology program provides the academic and professional foundation needed for success in the Veterinary Medical Technology (VMT) program and a future career as a registered veterinary technician. Foundational science and lab courses introduce core chemistry and biology concepts, how substances interact in the body, and the accurate use of basic laboratory and safety procedures. Students begin developing clinical reasoning skills through observation, evidence-based thinking, and problem-solving, along with the study habits, time management, and professionalism required for the VMT curriculum.

Communication, critical thinking, and ethical understanding are essential components of the program. General education courses strengthen written and verbal communication, teamwork, data interpretation, and dosage calculation skills that are critical in veterinary practice and reinforced throughout the VMT curriculum and preparation for the Veterinary Technician National Examination (VTNE). Coursework in psychology and ethics supports effective client interaction, compassionate decision-making, and professional judgment, helping students enter the VMT program with confidence and begin developing the competencies evaluated on the VTNE.

The pre-Vet Med program is designed as a preparation track and does not lead to a degree. Students who decide not to pursue this profession will need to work with their Education Navigator to transition into a different degree pathway.

Pre-VMT Program General Education Classes:

Required Program Courses		Class	Lab	Credits	Notes:
ACA 122	Transfer & Career Success	0	2	1	Seated or online
CHM 151	General Chemistry I	3	3	4	Seated
Elective	Humanities/Fine Arts	3	0	3	Seated or online
Elective	Communication/English	3	0	3	Seated or online
ENG 111	Writing & Inquiry	3	0	3	Seated or online
MAT 171	Precalculus Algebra	3	2	4	Seated or online
Elective	Social/Behavioral Science	3	0	3	Seated or online

A minimum grade of B must be earned in all science classes (BIO 180 or CHM 151). A minimum grade of C must be earned in all other classes for the VMT program.

Communication Elective Options: Select One: **COM 110***, COM 120, COM 231, ENG 112, ENG 114
Humanities/Fine Arts Elective Options: Select One: ART 111, ART 114, ART 115, DRA 111, ENG 231, ENG 241, ENG 242, HUM 110, HUM 115, HUM 120, HUM 122, HUM 150, HUM 160, MUS 110, MUS 112, **PHI 240***, REL 211, REL 212
Social/Behavioral Science Elective Options: Select One: ANT 210, ANT 220, ECO 151, ECO 251, ECO 252, HIS 111, HIS 112, HIS 131, HIS 132, HIS 222, HIS 223, HIS 226, HIS 236, POL 120, **PSY 150***, PSY 237, PSY 241, PSY 246, PSY 281, SOC 210, SOC 231, SOC 220, SOC 225, SOC 232, SOC 240
Approved Chemistry Substitutions: Can substitute BIO 180 for CHM 151
Approved Math Substitutions: Can substitute any higher course math for MAT 171

*Recommended for VMT students

Effective Term: 2026FA

Health Sciences

Pre-VMT General Education Requirements & Suggested Course Schedule:

		Class	Lab	Work	Credits	Notes:
1st Semester (fall)						
ACA 122	Transfer & Career Success	0	2	0	1	Seated or online
CHM 151	General Chemistry I	3	3	0	4	Seated
ENG 111	Writing & Inquiry	3	0	0	3	Seated or online
MAT 171	Precalculus Algebra	3	2	0	4	Seated
	Total Semester Hours	**8**	**6**	**0**	**11**	
2nd Semester (spring)						
Elective	Communications	3	0	0	3	Seated or online
Elective	Humanities/Fine Arts	3	0	0	3	Seated or online
Elective	Social/Behavioral Science	3	0	0	3	Seated or online
	Total Semester Hours	**9**	**0**	**0**	**9**	

Health Sciences

Planning for Your Future as an VMT:

Earning a Bachelor of Science in Veterinary Technology builds on the skills and experience you gained in your associate-level coursework and prepares you for greater responsibility in the animal-health field. In a bachelor's program, you'll take advanced classes in areas like pharmacology, anesthesia, diagnostic imaging, public health, leadership, and practice management. These courses strengthen your clinical judgment, improve your ability to make evidence-based decisions, and help you understand how environmental and public health factors affect animal well-being. A bachelor's degree also opens the door to higher-paying positions, supervisory and teaching roles, and research opportunities. Most importantly, it helps you become a more skilled, confident veterinary professional who can provide high-quality care and make a meaningful impact on the animals and communities you serve.

After completing the required courses for admission to the Vet Med program, students who plan to earn a bachelor's degree in the future may take the following recommended courses while waiting to begin the program or while enrolled in the program. These courses are commonly transferable to universities and may apply toward bachelor's degree requirements, depending on the receiving institution. Please see the college catalog for course descriptions.

Recommended Courses (Take one class from each row)		Class	Lab	Credits	Notes:
CIS 110	Introduction to Computers	2	2	3	Seated or online
ECO 251	Principles of Microeconomics	3	0	3	Seated or online
GEL 111	Geology	3	2	4	Online
HEA 110	Personal Health and Wellness	3	0	3	Seated or online
HIS 131 HIS 132 POL 120	American History I American History II American Government	3	0	3	Seated or online
MAT 152	Statistical Methods I	3	2	4	Seated or online
PSY 241 PSY 281 SOC 210	Social Psychology Abnormal Psychology Introduction to Sociology	3	0	3	Online
SPA 111	Elementary Spanish I	3	0	3	Seated or online
SPA 112	Elementary Spanish II	3	0	3	Seated or online
SPA 211	Intermediate Spanish I	3	0	3	Seated or online
SPA 212	Intermediate Spanish II	3	0	3	Seated or online

A minimum grade of C must be earned in all classes that transfer to a university for a bachelor's degree.

The following universities have articulation agreements with CCCC that allow students to transfer into these programs seamlessly:

Appalachian State University – Bachelor of Science in Veterinary Technology
The Appalachian State University Bachelor of Science in Veterinary Technology is a fully online program that prepares students for advanced practice in veterinary medicine through a blend of general education, veterinary science coursework, and hands-on clinical experience. Designed for transfer students, this program builds on foundational knowledge in animal care and expands technical competencies with domain-specific and elective focus areas such as companion animal care, practice management, and one health, supported by experienced veterinary professionals and clinical placements. Graduates finish with a well-rounded education that enhances their clinical skills and prepares them for leadership roles in animal health care settings, with real-world application of classroom learning through supervised practical experience.

St. Petersburg College – Bachelor of Applied Science in Veterinary Technology
The St. Petersburg College Bachelor of Applied Science in Veterinary Technology offers a fully online pathway for credentialed veterinary technicians to advance into specialized and managerial roles within the profession. Building on technical skills acquired in an accredited Associate in Science Veterinary Technology program, this terminal degree deepens students' expertise in areas critical to modern veterinary practice, including clinical techniques, hospital management, pharmacology, and professional communication. The curriculum features subplans that allow focused study in clinical or administrative tracks while maintaining comprehensive general education and elective requirements, positioning graduates to contribute as highly capable, contributing veterinary professionals.

Foreign Language Requirement

Spanish is not required for all bachelor's programs, but it is strongly recommended for pre-health students because it significantly improves communication with a large and growing Spanish-speaking patient population. Being able to speak Spanish builds trust, reduces misunderstandings, and helps prevent errors in patient care. Employers in healthcare provide stipends to bilingual employees, making Spanish a powerful advantage for anyone preparing for a health science career. The following Spanish courses are available for pre-health students, but are not always part of a transfer agreement: SPA 111, SPA 112, SPA 211, SPA 212

All universities will accept general education credit, although the number of credits that transfer may vary by institution. If you are unsure which university you plan to attend, a safe option is to choose courses identified as part of the Universal General Education Transfer Component (UGETC), which are noted at the end of the course description.

Students who have questions about the pre-Vet Med program should contact their Education Navigator.