

# Science

## *Associate in Arts and Sciences*

With the emphasis on scientific discoveries and technological developments in today's society, there is a demand for scientists and scientifically-oriented persons in business, government, industry, or the professions. This degree program is designed for persons who are interested in a scientific program and who plan to transfer to a four-year college or university to earn a baccalaureate degree in such diverse areas as agriculture, pre-dentistry, pre-medicine, biology, chemistry, physics, mathematics, nursing, pharmacy, physical therapy, geology, forestry, horticulture, science education, and home economics.



Although the major emphasis in this curriculum is on mathematics, the biological sciences, and the physical sciences, the curriculum also includes courses in the humanities and social sciences. Electives are provided so that the student can select the appropriate courses for pre-professional or scientific programs as required in the first two years of the four-year college or university. Students are urged to acquaint themselves with the requirements of the major department in the college or university in which transfer is contemplated and also to consult with the Counseling Center in planning their program and selecting electives. In order to prepare for a junior class standing at a four-year college or university, the student must complete a program at the community college which is comparable in length and course content to the first two years of the program at the four year institution.

**Central Virginia Community College**

call (434)-832-7800

AA/EEO/ADA • VTDD (434) 832-7701



In addition to the admission requirements established for the College, entry into the Science program requires the satisfactory completion of high school units or the equivalent to include four years of English, three years of mathematics (Algebra I, Algebra II, and Geometry), one year of laboratory science, and one year of social science.

## Science — Degree Requirements

Course No.	Course Title	First Year	
		1st Sem.	2nd Sem.
ENG 111-112	College Composition I-II	3	3
HIS 101, 102	History of Western Civilization I, II <sup>1</sup>	3	3
MTH 163-164	Precalculus I-II <sup>2</sup>	3	3
	Science with Laboratory	4	4
HLT/PED	Health or Physical Education	1	-
SDV 100	Orientation	1	-
	Computer Elective <sup>3</sup>	-	3
<b>Total</b>		<b>15</b>	<b>16</b>

Course No.	Course Title	Second Year	
		1st Sem.	2nd Sem.
	Elective <sup>4</sup>	6	3
	Science with Laboratory	4	4
	Social Science Elective <sup>5</sup>	3	3
	Humanities Elective <sup>5</sup>	3	-
HLT/PED	Health or Physical Education	-	1
SPD	Speech Elective <sup>5</sup>	-	3
<b>Total</b>		<b>16</b>	<b>14</b>

**Minimum credits required to graduate** **61**

<sup>1</sup> HIS 121, 122 or HIS 141, 142 may be substituted.

<sup>2</sup> MTH 173-174, *Calculus with Analytic Geometry* should be taken for some transfer programs. MTH 271 may substitute for MTH 164.

<sup>3</sup> Select from BUS 226 *Computer Business Applications* or ITE 115 *Introduction to Computer Applications and Concepts*.

<sup>4</sup> Transfer courses are recommended. A second year of Calculus-based math may be required depending on the transfer program.

<sup>5</sup> See course catalog for available courses.