

CLUSTER: HEALTH SCIENCE

MAJOR: BIOTECHNOLOGY RESEARCH AND DEVELOPMENT

High School

9
Algebra 1
English 1
Physical Science
Global Studies
Computer Science
Physical Education or Jr. ROTC

10
Geometry
English 2
Biology
Social Studies Elective
Introduction to Health Science
Foreign Language

11
Algebra 2
English 3
Biology
U. S. History
Health Science Technology 1 or
Biotechnical Engineering (PLTW)
Foreign Language or Probability and Statistics

12
Precalculus
English 4
Biology 2 or Chemistry 2
Economics/Government
Anatomy and Physiology
Medical Terminology
Foreign Language
Health Science Technology 2 or
Pharmacy Technology

Recommended Electives: Based on a student's career goals and college requirements, the recommended electives may include an additional course in the same foreign language, or specific math, science, or language arts courses.

Note: Core academic courses listed represent the more commonly chosen courses and sequences. Any number of course combinations are possible depending on local school district offerings

Trident Technical College – Major: Science (Associate Degree)

General Education Requirements:
[ENG 101](#) English Composition I
[ENG 102](#) English Composition II
[MAT 110](#) College Algebra
OR [MAT 112](#) Precalculus
OR [MAT 120](#) Probability and Statistics
OR [MAT 140](#) Analytic Geometry and Calculus I
[PSY 201](#) General Psychology

OR [ECO 210](#) Macroeconomics
[SPC 205](#) Public Speaking
OR [SPC 209](#) Interpersonal Communication
OR [THE 101](#) Introduction to Theater
Plus:
21. Math/Lab Science Requirements
9 credit hours of Humanities, Languages and Social Science Requirements
3 credit hours Computing Requirement
12 (credit hours) Electives

Source: Trident Technical College
<http://www.tridenttech.edu/catalog/current/196.htm>

**University of South Carolina
Major: Pre-Pharmacy and Pharmacy Doctorate (Pharm. D.)**

First Prepharmacy Year	Second Prepharmacy Year	Professional Program for Entry-Level Pharm.D.	Summer Professional Year 1
BIOL 101 CHEM 111 ENGL 101 HIST (elective) PSYC 101 BIOL 102 CHEM 112 ENGL 102 Fine Arts (elective) MATH 122	BIOL 243 CHEM 331L CHEM 333 ECON 224 PHYS 201 STAT 201 BIOL 244 CHEM 332L CHEM 334 Electives (Arts and Sciences [curriculum II]) PHYS 202	Year 1: PHRM 401 PHRM 415 PHRM 431 PHRM 432 PHRM 445 PHRM 455 PHRM 402 PHRM 404 PHRM 416 PHRM 434 PHRM 456	PHRM 559 and/or PHRM 560
Year 2: PHRM 505 PHRM 518 PHRM 537 PHRM 549 PHRM 557 Arts & Sciences Elective PHRM 506 PHRM 538 PHRM 558 PHRM 574 PHRM 607 PHRM 661	Year 3: PHRM 547 PHRM 576 PHRM 578 PHRM 665 PHRM 670 PHRM 446 PHRM 667 PHRM 668 PHRM 669 PHRM Elective	Summer Professional Year 3 PHRM 696 or PHRM 676 or PHRM 678 or PHRM 679 or PHRM 6XX *	Year 4: PHRM 696 or PHRM 678 or PHRM 679 or PHRM 6XX PHRM 674 PHRM 675 PHRM 696 or PHRM 678 or PHRM 679 or PHRM 6XX *

Source: University of South Carolina
<http://www.sc.edu/bulletin/ugrad/Pharmacy.html>