

# PRE-HEALTH CONCENTRATION

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## Pre-Health Concentration

### Associate of Science Degree Structured Course Sequence (4 Semester Plan)

#### First Year

##### First Semester

		Hours
SDE 1010	First Year Experience	1
COM 1110	English Composition	3
Mathematics Elective		3-4
BIO 1110	Anatomy and Physiology I	4
PSY 1010	General Psychology	3
Term Hours		14-15

##### Second Semester

BIO 1120	Anatomy and Physiology II	4
COM 2110	Public Speaking	3
SOC 1010	Sociology	3
CPT 1250	Computer Applications in the Workplace	3
HST 1620	American History Since 1877	3
Term Hours		16

#### Second Year

##### First Semester

Elective		3
BIO 1400 or CHM 1120	Microbiology or Introductory Organic and Biochemistry	4
SOC 1200	Death and Dying	3
BHS 1390	Medical Terminology	2
Approved Elective		3
Approved Elective		3
Term Hours		18

##### Second Semester

BIO 2820	Associate of Science Capstone	1
Social and Behavioral Elective		3
Arts and Humanities		3
Approved Elective		3
Approved Elective		3

Approved Elective	3
Term Hours	16
Total Hours	64-65

 Portfolio course

 Capstone course

## Course Electives

### Social and Behavioral Sciences (12 Credits)

Code	Title	Hours
ANT 2411	Cultural Anthropology	3
ECN 1410	Macro Economics	3
ECN 1430	Micro Economics	3
POL 1010	Introduction to Political Science	3
PSY 1010	General Psychology	3
PSY 1730	Abnormal Psychology	3
PSY 2150	Lifespan Psychology	3
PSY 2200	Social Psychology	3
PSY 2301	Educational Psychology	3
SOC 1010	Sociology	3
SOC 1200	Death and Dying	3
SOC 1210	Family Sociology	3
SOC 1320	American Cultural Diversity	3
SOC 2211	World Religions: History, Belief, and Practice	3
SOC 2300	Social Problems	3

### Arts and Humanities (9 Credits)

Code	Title	Hours
COM 1801	Creative Writing: Fiction	3
COM 2110	Public Speaking	3
HST 1011	Western Civilization I	3
HST 1012	Western Civilization II	3
HST 1610	American History to 1877	3
HST 1620	American History Since 1877	3
HST 2300	Technology and Civilization	3
HST 2510	History of Latin America	3
LIT 2210	Introduction to Literature	3
LIT 2215	Native American Literature	3
LIT 2227	Literature of Graphic Novels	3
LIT 2250	The American Short Story	3
LIT 2260	Fantasy Literature	3
LIT 2301	British Literature I	3
LIT 2305	Introduction to Shakespeare	3
LIT 2310	Literature and the Holocaust	3
LIT 2450	Themes in Literature and Film	3
PHL 1011	Introduction to Philosophy	3
THR 1010	Introduction to Theatre	3

### Mathematics (6-10 Credits)

Code	Title	Hours
MTH 1190	Finite Mathematics/Business	3
MTH 1260	Statistics	3

MTH 1370	College Algebra	4
MTH 1430	Trigonometry	3
MTH 1611	Business Calculus	5
MTH 1711	Calculus I	5
MTH 1721	Calculus II	5
MTH 2660	Calculus III	4
MTH 2670	Differential Equations	4
MTH 2680	Elementary Linear Algebra	4


### Information Literacy (3 Credits)

Code	Title	Hours
CPT 1250	Computer Applications in the Workplace	3



### Sciences (8 Credits)

Code	Title	Hours
CHM 1110	Introductory General Chemistry	4
CHM 1120	Introductory Organic and Biochem	4
PHY 1120	Physics I	4
PHY 1130	Physics II	4
BIO 1090	Concepts in Biology	4
BIO 1400	Microbiology	4
BIO 1110	Anatomy and Physiology I	4
BIO 1120	Anatomy and Physiology II	4
BIO 2121	Introduction to Human Genetics	4
GLG 1000	Physical Geology	4

### English Composition and Literature (6 Credits)

Code	Title	Hours
COM 1110 	English Composition	3
COM 1140	Technical Writing	3
COM 1160	Business Communications	3
COM 1200	Writing in the Sciences	3
COM 2213	Verbal Judo	3
COM 2400	Composition and Literature	3

### Other Approved Course Electives

Code	Title	Hours
<b>Accounting</b>		
ACC 1010	Corporate Accounting Principles	4
ACC 1020 	Managerial Accounting Principles	4
<b>Medical Terminology</b>		
BHS 1390	Medical Terminology	2
<b>Business</b>		
BUS 2100	Business Law	3
<b>Electronic Engineering Technology</b>		
EET 1110	Circuit Analysis I	3
EET 1130	Electronics	4
<b>Human Service</b>		
HUM 1111 	Introduction to Social Work	3
<b>Mechanical Engineering Design</b>		
MET 1000	Engineering Graphics with AutoCAD	4
<b>Mechanical Engineering Technology</b>		
MET 1020	Material Science	3

MET 2210	Strength of Materials	3
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### Marketing

MKT 1010 	Principles of Marketing	3
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### Spanish

SPN 1010	Beginning Spanish Language I	3
SPN 1020	Beginning Spanish Language II	3
SPN 2010	Intermediate Spanish I	3
SPN 2020	Intermediate Spanish II	3

### Other Requirements

Code	Title	Hours
BIO 2820 	Associate of Science Capstone	1
		
SDE 1010 	First Year Experience	1

 Portfolio Course

 Capstone Course