

Note that this is a "Typical Program." Actual programs will vary. See the catalog for official details.

CHEMISTRY B.S. DEGREE
Pre Med Program
Advisor: Dr. Nalliah
Fall 2005

HS 115: Hist Persp on Cult & Civ I	3
EN 121: Academic Writing & Research	3
PE 110: Introduction to Physical Wellness	1
115: Introduction to AR/MU/TH	2
<u>CH 161: Principles of Chemistry I</u> ³	4
<u>MA 171: Analytic Geom & Calc I</u> ³	4

total 17

Spring 2006

HS 116: Hist Persp on Cult & Civ II	3
Applied Creative Arts	2
BI 161: Cell Biology ³	4
<u>CH 162: Principles of Chemistry II</u> ³	4
<u>MA 172: Analytic Geom & Calc II</u> ³	4

total 17

Fall 2006

* BI 321: Genetics ³	4
<u>CH 263: Organic Chemistry I</u> ³	4
<u>MA 273: Analytic Geom & Calc III</u>	4
<u>PH 211: Principles of Physics I</u> ³	4

total 16

Spring 2007

PE 111: Physical Education Activities	1
* BI 222: Zoology ³	4
* BI 432: Microbiology ³	4
<u>CH 264: Organic Chemistry II</u> ³	4
<u>PH 212: Principles of Physics II</u> ³	4

total 17

Fall 2007

Core Curriculum Social Science	3
BR 111: Biblical History & Literature	3
EN 151: Introduction to Literature	3
BI 231: Human Anatomy and Physiology ³	4
* <u>CH 331: Quantitative Analysis</u>	4
* <u>CH 451: Senior Seminar in Chemistry</u>	1

total 18

Spring 2008

* BI 342: Human Physiology ³	4
* <u>CH 333: Instrumental Analysis</u>	4
* <u>CH 411: Biochemistry</u> ³	3
<u>MA 371: Differential Equations</u> ¹	4
* <u>PH 261: Analog and Digital Electronics</u> ²	2
<u>CH 490: Independent Study</u> ⁴	1-2

total 18-19

Fall 2008

Core Curriculum Social Science	3
CO 215: Public Speaking	3
MI 285: Understanding the Christian Faith	3
* <u>CH 361: Physical Chemistry I</u>	4
* <u>CH 441: Advanced Inorganic Chemistry</u>	3

total 16

Spring 2009

BR: Bible Elective [300+ level]	3
PL 220: Introduction to Philosophy	3
CAP 475: Capstone Seminar	2
* BI 461: Introduction to Neuroscience ³	3
* <u>CH 371: Physical Chemistry II</u>	4
CH 445: Advanced Laboratory Analysis ²	2

total 15

NOTES:

1. Pre-Med students may substitute an upper level biology course for MA 371.
2. CH 445 may be substituted for PH 261 or taken as an elective in the major.
3. The minimum courses recommended for preparation for medical, dental, optometry, or veterinary school and for the appropriate standardized admission test include BI 161/L, 222/L, 321/L, 342/L; CH 161/L, 162/L, 263/L, 264/L; PH 211/L, 212/L; and MA 151 or 171. Additional recommended courses include BI 231/L, BI 371/L, BI 432/L, BI 461, CH 411, and MA 172.
4. CH 490 should be taken during the summer before the student's senior year.