

Suggested Curriculum
 Student Majoring in **Physics** with the intent of transferring to an
 accredited **engineering** program
 Beginning with MATH1501/Calculus I

Fall 1			Spring 1		
CH	Course Number	Course Name (Area Satisfied)	CH	Course Number	Course Name (Area Satisfied)
4	MATH1501	Calculus I (Area A)	4	MATH1502	Calculus II (Area D)
4	CHEM1211	Principles of Chemistry I (Area D)	4	CHEM1212	Principles of Chemistry II (Area D)
3	ENG1101	English Composition I (Area A)	3	ENG1102	English Composition II (Area A)
3	HIST12XX/ 22XX	American History or Western Civilization (Area E)	3	HIST12XX/ 22XX	American History or Western Civilization (Area E)
3	PHED1001/ 1010	Health or Physical Fitness (Area G)	3	XXXX	Area C Elective #1* (COMM 1100 of 1500)
			0	ENGL2990	Regent's Test

Fall 2			Spring 2		
CH	Course Number	Course Name (Area Satisfied)	CH	Course Number	Course Name (Area Satisfied)
4	MATH2501	Calculus III (Area F)	3	MATH2502	Calculus IV (Area F)
4	PHYS2211	Principles of Physics I (Area F)	4	CHEM2212	Principles of Physics II (Area F)
3	MATH2201	Linear Algebra (Area B)	3	CS1302	Computer Science II (Area B)
3	XXXX	Area E Elective** (ECON 2105)	3	XXXX	Area E Elective** (ECON 2106)
3	CS1301	Computer Science I (Area F)	3	XXXX	Area C Elective #2* (PHIL2010 or 2020)
1	PHED1XXX	Physical Education Activity Course (Area G)	1	PHYS2295/ COLQ2992	Special Research Topics/ Colloquium (Area B)

* Area C Electives may be taken from any area C approved course, however, COMM1100, COMM1500 or any foreign language are recommended for #1 and PHIL2010 or 2020 are recommended for #2

** Area E Electives may be taken from any area E approved course, however, ECON2105 and ECON2106 are highly recommended

*** If the student wishes to enroll in courses during a summer session, it is recommended that the student take Area C and E electives

Suggested Curriculum
 Student Majoring in **Physics** with the intent of transferring to an
 accredited **engineering** program
 Beginning with MATH1113/Pre-Calculus

Fall 1			Spring 1		
CH	Course Number	Course Name (Area Satisfied)	CH	Course Number	Course Name (Area Satisfied)
4	MATH1113	Precalculus (Area A)	4	MATH1501	Calculus I (Area D)
4	CHEM1211	Principles of Chemistry I (Area D)	4	CHEM1212	Principles of Chemistry II (Area D)
3	ENG1101	English Composition I (Area A)	3	ENG1102	English Composition II (Area A)
3	HIST12XX/ 22XX	American History or Western Civilization (Area E)	3	HIST12XX/ 22XX	American History or Western Civilization (Area E)
3	PHED1001/ 1010	Health or Fitness (Area G)	3	XXXX	Area C Elective* (COMM 1100 or 1500)
			0	ENGL2990	Regent's Test

Fall 2			Spring 2		
CH	Course Number	Course Name (Area Satisfied)	CH	Course Number	Course Name (Area Satisfied)
4	MATH1502	Calculus II (Area F)	4	MATH2501	Calculus III (Area F)
4	PHYS2211	Principles of Physics I (Area F)	4	CHEM2212	Principles of Physics II (Area F)
3	MATH2201	Linear Algebra (Area B)	3	MATH2502	Calculus IV (Area F)
3	XXXX	Area E Elective** (ECON 2105)	3	XXXX	Area E Elective** (ECON 2106)
3	CS1301	Computer Science I (Area F)	3	XXXX	Area C Elective* (PHIL2010 or 2020)
1	PHED1XXX	Physical Education Activity Course (Area G)	1	PHYS2295/ COLQ2992	Special Research Topics/ Colloquium (Area B)

* Area C Electives may be taken from any area C approved course, however, COMM1100, COMM1500 or any foreign language are recommended for #1 and PHIL2010 or 2020 are recommended for #2

** Area E Electives may be taken from any area E approved course, however, ECON2105 and ECON2106 are highly recommended

*** If the student wishes to enroll in courses during a summer session, it is recommended that the student take Area C and E electives

Suggested Curriculum
Student Majoring in Physics with the intent of transferring to an
accredited engineering program
Beginning with MATH1111/College Algebra

Fall 1			Spring 1		
CH	Course Number	Course Name (Area Satisfied)	CH	Course Number	Course Name (Area Satisfied)
4	MATH1111	College Algebra (Area B)	4	MATH1113	Pre-calculus (Area A)
4	CHEM1211	Principles of Chemistry I (Area D)	4	CHEM1212	Principles of Chemistry II (Area D)
3	ENG1101	English Composition I (Area A)	3	ENG1102	English Composition II (Area A)
3	HIST12XX/ 22XX	American History or Western Civilization (Area E)	3	HIST12XX/ 22XX	American History or Western Civilization (Area E)
3	PHED1001/ 1010	Health or Fitness (Area G)	3	XXXX	Area C Elective* (COMM 1100 or 1500)
			0	ENGL2990	Regent's Test

Summer 1		
4	MATH1501	Calculus I (Area D)

Fall 2			Spring 2		
CH	Course Number	Course Name (Area Satisfied)	CH	Course Number	Course Name (Area Satisfied)
4	MATH1502	Calculus II (Area F)	4	MATH2501	Calculus III (Area F)
4	PHYS2211	Principles of Physics I (Area F)	4	CHEM2212	Principles of Physics II (Area F)
3	MATH2201	Linear Algebra (Area B)	3	MATH2502	Calculus IV (Area F)
3	XXXX	Area E Elective** (ECON 2105)	3	XXXX	Area E Elective** (ECON 2106)
3	CS1301	Computer Science I (Area F)	3	XXXX	Area C Elective* (PHIL2010 or 2020)
1	PHED1XXX	Physical Education Activity Course (Area G)	1	PHYS2295/ COLQ2992	Special Research Topics/ Colloquium (Area B)

* Area C Electives may be taken from any area C approved course, however, COMM1100, COMM1500 or any foreign language are recommended for #1 and PHIL2010 or 2020 are recommended for #2

** Area E Electives may be taken from any area E approved course, however, ECON2105 and ECON2106 are highly recommended

*** If the student wishes to enroll in courses during a summer session, it is recommended that the student take Area C and E electives

Suggested Curriculum
Student Majoring in Physics
Beginning with MATH1501/Calculus I

Fall 1			Spring 1		
CH	Course Number	Course Name (Area Satisfied)	CH	Course Number	Course Name (Area Satisfied)
4	MATH1501	Calculus I (Area A)	4	MATH1502	Calculus II (Area D)
4	CHEM1211	Principles of Chemistry I (Area D)	4	CHEM1212	Principles of Chemistry II (Area D)
3	ENG1101	English Composition I (Area A)	3	ENG1102	English Composition II (Area A)
3	HIST12XX/ 22XX	American History or Western Civilization (Area E)	3	HIST12XX/ 22XX	American History or Western Civilization (Area E)
3	PHED1001/ 1010	Health or Fitness (Area G)	3	XXXX	Area C Elective (From the 1000 level)
			0	ENGL2990	Regent's Test

Fall 2			Spring 2		
CH	Course Number	Course Name (Area Satisfied)	CH	Course Number	Course Name (Area Satisfied)
4	MATH2501	Calculus III* (Area F)	3	MATH2502	Calculus IV** (Area F)
4	PHYS2211	Principles of Physics I* (Area F)	4	CHEM2212	Principles of Physics II* (Area F)
3	MATH2201	Linear Algebra** (Area B)	3	CS1302 or ASTR1020	Computer Science II or Stellar and Galactic Astronomy** (Area B)
3	XXXX	Area E Elective	3	XXXX	Area E Elective
3	CS1301 or ASTR1010	Computer Science I or Solar System Astronomy** (Area F)	3	XXXX	Area C Elective (From the 2000 level)
1	PHED1XXX	Physical Education Activity Course (Area G)	1	PHYS2295/ COLQ2992	Special Research Topics/ Colloquium (Area B)

*Students must take the following courses to satisfy Area F requirements:
MATH2501, PHYS2211, PHYS2212

**Students may take any of the following courses to complete Area F:
MATH2201, MATH2502, CS1301, CS1302, ASTR1010, ASTR1020.
However, MATH2502 is strongly recommended

Suggested Curriculum
Student Majoring in Physics
Beginning with MATH1113/Pre-Calculus

Fall 1			Spring 1		
CH	Course Number	Course Name (Area Satisfied)	CH	Course Number	Course Name (Area Satisfied)
4	MATH1113	Precalculus (Area A)	4	MATH1501	Calculus I (Area D)
4	CHEM1211	Principles of Chemistry I (Area D)	4	CHEM1212	Principles of Chemistry II (Area D)
3	ENG1101	English Composition I (Area A)	3	ENG1102	English Composition II (Area A)
3	HIST12XX/ 22XX	American History or Western Civilization (Area E)	3	HIST12XX/ 22XX	American History or Western Civilization (Area E)
3	PHED1001/ 1010	Health or Fitness (Area G)	3	XXXX	Area C Elective
			0	ENGL2990	Regent's Test

Fall 2			Spring 2		
CH	Course Number	Course Name (Area Satisfied)	CH	Course Number	Course Name (Area Satisfied)
4	MATH1502	Calculus II* (Area F)	4	MATH2501	Calculus III* (Area F)
4	PHYS2211	Principles of Physics I* (Area F)	4	CHEM2212	Principles of Physics II* (Area F)
3	MATH2201	Linear Algebra** (Area B)	3	MATH2502	Calculus IV** (Area F)
3	XXXX	Area E Elective	3	XXXX	Area E Elective
3	CS1301 or ASTR101	Computer Science I or Solar System Astronomy** (Area F)	3	XXXX	Area C Elective
1	PHED1XXX	Physical Education Activity Course (Area G)	1	PHYS2295/ COLQ2992	Special Research Topics/ Colloquium (Area B)

*Students must take the following courses to satisfy Area F requirements:

MATH2501, PHYS2211, PHYS2212

**Students may take any of the following courses to complete Area F:

MATH2201, MATH2502, CS1301, CS1302, ASTR1010, ASTR1020.

However, MATH2502 is strongly recommended

Suggested Curriculum
Student Majoring in Physics with the intent of transferring to an
accredited engineering program
Beginning with MATH1111/College Algebra

Fall 1			Spring 1		
CH	Course Number	Course Name (Area Satisfied)	CH	Course Number	Course Name (Area Satisfied)
4	MATH1111	College Algebra (Area B)	4	MATH1113	Pre-calculus (Area A)
4	CHEM1211	Principles of Chemistry I (Area D)	4	CHEM1212	Principles of Chemistry II (Area D)
3	ENG1101	English Composition I (Area A)	3	ENG1102	English Composition II (Area A)
3	HIST12XX/ 22XX	American History or Western Civilization (Area E)	3	HIST12XX/ 22XX	American History or Western Civilization (Area E)
3	PHED1001/ 1015	Health or Fitness (Area G)	3	XXXX	Area C Elective
			0	ENGL2990	Regent's Test

Summer 1		
4	MATH1501	Calculus I (Area D)

Fall 2			Spring 2		
CH	Course Number	Course Name (Area Satisfied)	CH	Course Number	Course Name (Area Satisfied)
4	MATH1502	Calculus II* (Area F)	4	MATH2501	Calculus III* (Area F)
4	PHYS2211	Principles of Physics I* (Area F)	4	CHEM2212	Principles of Physics II* (Area F)
3	MATH2201	Linear Algebra** (Area B)	3	MATH2502	Calculus IV** (Area F)
3	XXXX	Area E Elective	3	XXXX	Area E Elective
3	CS1301 or ASTR1010	Computer Science I or Solar System Astronomy** (Area F)	3	XXXX	Area C Elective
1	PHED1XXX	Physical Education Activity Course (Area G)	1	PHYS2295/ COLQ2992	Special Research Topics/ Colloquium (Area B)

*Students must take the following courses to satisfy Area F requirements:
MATH2501, PHYS2211, PHYS2212

**Students may take any of the following courses to complete Area F:
MATH2201, MATH2502, CS1301, CS1302, ASTR1010, ASTR1020.
However, MATH2502 is strongly recommended