

# The Chemistry Program - B.S. Chemistry w/Chemical Physics Concentration

## Chemistry Core (Taken by Everyone)

Course No.	Course Title	Credit Hours
CH141	General Chemistry I	4
CH142	General Chemistry II	4
CH143	General Chemistry I Lab	1
CH144	General Chemistry II Lab	1
or		
CH151H	Chemical Principles	4
CH153	Chemical Principles Lab	1
CH221	Organic Chemistry I	3
CH222	Organic Chemistry II	3
CH223	Organic Chemistry I Lab	1
CH224	Organic Chemistry II Lab	1
CH261	Analytical Chemistry	3
CH263	Analytical Chemistry Lab	1
CH363	Physical Chemistry I	3
CH367	Physical Chemistry Lab	2
CH478	Chemistry Seminar	0

## Required Support Courses

Course No.	Course Title	Credit Hours
MT135	Calculus and Analytic Geometry I	4
MT136	Calculus and Analytic Geometry II	4
PH135	Physics I	3
PH135L	Physics I Workshop	1
PH136	Physics II	3
PH136L	Physics II Workshop	1

## Additional Required Support Courses

Course No.	Course Title	Credit Hours
MT223	Calculus and Analytic Geometry III	3
PH246	Modern Physics	3
EP217	Mathematical Methods of Physics and Engineering	3

## Additional Required CH Courses\*

Course No.	Course Title	Credit Hours
CH366	Physical Chemistry II	3
CH368	Physical Chemistry II Lab	1
CH431	General Biochemistry	4
CH441	<i>Instrumental Analysis*</i>	3
CH443	<i>Instrumental Analysis (CAP, AW, OP)*</i>	2
CH481	Inorganic Chemistry	3
CH482	Inorganic Chemistry Lab	1

+ 6 cr Upper Division CH Electives  
(at least 1 cr. Laboratory-based)

Course No.	Course Title	Credit Hours
CH495	Special Topics	3
CH399	<i>Undergraduate Research (CAP, AW, OP)*</i>	3
CH398	<i>Literature Research in Chemistry (CAP, AW, OP)*</i>	3

\* (Must include a *CAP, AW, OP Course*)