

Philadelphia Campus Course Equivalency Statement

Department of Chemistry and Biochemistry

Approved October 2008

Messiah College Courses				Temple University Course Equivalent - Currently Approved				
Subject	Course No.	Course Title	Credits	Department	Subject	Course No.	Course Title	Credits
CHEM	102	Chemistry for Living	3	Chemistry	CHEM	1011	Chemistry: The Study of Matter I	4
CHEM	102L	Lab: Chemistry for Living	0					
CHEM	105	General Chemistry I	4	Chemistry	CHEM	1031	General Chemistry I	3
CHEM	105L	Lab: General Chemistry I	0			1033	General Chemistry I Lab	1
CHEM	106	General Chemistry II	4	Chemistry	CHEM	1032	General Chemistry II	3
CHEM	106L	Lab: General Chemistry II	0			1034	General Chemistry II Lab	1
CHEM	110	Chemical Science	4			1021/1022	Introduction to Chemistry I & II	6
CHEM	110L	Lab: Chemical Science	0			1023/1024	Introduction to Chemistry I & II Lab	2
CHEM	204	Introduction to Organic Chem	4				NE	
CHEM	204L	Lab: Intro to Organic Chem	0				NE	
CHEM	221	Chemical Analysis I	4	Chemistry	CHEM	3103	Techniq. of Chemical Measuremnt I	3
CHEM	221L	Lab: Chemical Analysis I	0			3105	Intro to Chemical Research Techniq.	1
CHEM	222	Independent Research	1 to 3					
CHEM	309	Organic Chemistry I	4	Chemistry	CHEM	2201/2211	Organic Chemistry I/For Majors	3
CHEM	309L	Lab: Organic Chemistry I	0			2203/2213	Organic Chemistry I Lab/For Majors	1
CHEM	310	Organic Chemistry II	4	Chemistry	CHEM	2202/2212	Organic Chemistry II/For Majors	3
CHEM	310L	Lab: Organic Chemistry II	0			2204/2214	Organic Chemistry II Lab/For Majors	1
CHEM	321	Chemical Analysis II	4			4196	Techniq. of Chemical Measurement II	5
CHEM	321L	Lab: Chemical Analysis II	0				(the above course has lab)	
CHEM	322	Independent Research	1 to 3			3891	Undergraduate Research	
CHEM	337	Physical Chemistry I	3			3301	Physical Chemistry Lecture I	3
CHEM	338	Physical Chemistry II	4	Chemistry	CHEM	3302	Physical Chemistry Lecture II	3
CHEM	338L	Lab: Physical Chemistry II	0	Chemistry	CHEM	4396	Physical Chemistry Lab	4
CHEM	340	Environmental Chemistry	4					
CHEM	340L	Lab: Environmental Chemistry	0					
CHEM	342	Advanced Synthesis Lab	2			4207	Advanced Organic Preparations	4
CHEM	360	Topics in Chemistry	3 to 4					

CHEM	361	Inorganic Chemistry	4			4001	Inorganic Chemistry	3
CHEM	361L	Lab: Inorganic Chemistry	0			4003	Inorganic Synthesis	4
CHEM	390	Junior Chemistry Seminar	1				NE	
CHEM	391	Chemistry Practicum	1 to 3				NE	
CHEM	393	Research Methods	1				NE	
CHEM	407	Secondary Sci Curriculum&Instr	2					
CHEM	409	Advanced Organic Chemistry	3			4201	Organic Structure & Mechanisms	3
CHEM	410	Biochemistry I	4			4375	Biochemistry I	3
CHEM	411	Lab: Biochemistry I	0					
CHEM	412	Biochemistry II	4	Biology	BIOL	4376	General Biochemistry II	3
CHEM	412L	Lab: Biochemistry II	0					
CHEM	422	Senior Research	1 to 3		CHEM	4891	Undergraduate Research	
CHEM	461	Organometallic Chemistry	3					
CHEM	490	Senior Chemistry Seminar	1				NE	
CHEM	491	Independent Study	1 to 3					
CHEM	495	Capstone: Natural Sciences	3				NE	3
CHEM	497	Major Honors	2 to 3					
CHEM	498	Major Honors	2 to 3					
PHSC	102	Physical Sci for Elem Educ	4				NE	
PHSC	102L	Lab: Phys Sciences for Elem Ed	0				NE	

NE = No equivalent