

2010-11 Summary of
Pre-professional Course Requirements by Pharmacy Degree Institution

AACP Member Institutions	Prerequisite Summary					Prerequisite Course Summary																																			
	PharmCAS Schools*	Total # Ctr Hrs	Total # Ctr	Total #Sem Hrs	Total # Sem	B.S. Required (not preferred)	Anat & Phys / Human Anat	Biochemistry	Calculus	Cell Bio	Gen Bio I	Gen Bio II	Gen Chem I	Gen Chem II	Genetics	Immunology	Microbiology	Molecular Bio	Org Chem I	Org Chem II	Analy Chem	Physics	Pre Calc	Kinesiology	Zoology	Computer Appl / Sci	Stats	Social Sciences ^a	Psychology	Poly Sci	History	Hum Behav / Behav Sci	West Civ	Anthro	Sociology						
Albany College of Pharmacy (NY & VT)	*			62-80			R ⁴²		R	R	R	R	R	R			R	R	R	R	R	R					R	R													
Appalachian College of Pharmacy (VA)	*			69			R ^{MM}		R	R	R	R	R	R			R		R	R	R	R					R	R													
Arizona, Univ. of				70-73			R ^{MM}		R	R	R	R	R	R			R	CR	R	R	R	R			CR			CR													
Arkansas for Medical Sciences, Univ. of				67-71			CR	CR	R ²³	CR	R	R	R	R	CR		R	CR	R	R	R	R					CR														
Auburn Univ. (AL)	*	9	83	6			R ^{MM}	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R					R ²⁸	R ^C			R ^C										
Belmont Univ. (TN)	*			64					R	R	R	R	R	R			R		R	R	R	R					R	R													
Buffalo The SUNY, Univ. at (NY)	*	n/a	n/a						R ^{MM}	R	R	R	R	R			R		R	R	R	R					CR	CR						CR							
Butler Univ. (IN)				66			R ^{MM}		R ³⁰	R							R		R	R	R							R													
California Northstate	*					X	R	CR	R	CR	R	R	R	R			R	R	R	R	R	R							R												
CA-San Diego, Univ. of	*	90	63						R ¹⁷	CR	R	R	R	R			R	R	R	R	R	R						R						R							
CA-San Francisco, Univ. of	*	92	62				R ⁴⁶		R ^{MM}	R	R	R	R	R			R		R	R	R	R						R	CR						CR	CR					
Campbell Univ. (NC)	*			61					R	R	R	R	R				R		R	R	R	R						R													
Charleston, Univ. of (WV)	*	99	66				R ^{MM}		R	R	R	R	R	R			R		R	R	R	R	R				R	R	CR	CR	CR	CR					CR				
Chicago State Univ. (IL)	*			61			R		R ³⁷	R	R	R	R	R			R		R	R	R	R						R	CR	CR				CR			CR				
Cincinnati, Univ. of (OH)	*	100	67						R ^{MM}	R	R	R	R	R			R		R	R	R	R						R													
Colorado Denver, Univ. of	**			90			R ^{MM}	R	R	R	R	R	R	R			R		R	R	R	R						CR													
Concordia University (WI)	**	103.5	69						R	R	R	R	R	R			R		R	R	R	R					R									R					
Connecticut, Univ. of	*			48			R ^{MM}	R	R	R	R	R	R	R			R		R	R	R	R							CR								CR	CR			
Creighton Univ. (NE)	*	95	63				R ^{MM}		R	R	R	R	R	R			R		R	R	R	R							R												
Drake Univ. (IA)	*		6	4					R	R	R	R	R	R			R		R	R	R	R						R													
Duquesne Univ. (PA)	*			64			R ⁴⁰	R ⁴⁰	R	R	R	R	R	R			R		R	R	R	R					R	R ²⁴	R												
D'Youville College (NY)	**			65					R	R	R	R	R	R			R		R	R	R	R						R	R								R ⁶				
East Tennessee State Univ.	*			63					R	R	CR	R	R	R			R		R	R	R	R						R	CR								CR				
Ferris State Univ. (MI)	*			61			R ^{MM}		R ²⁹	R	R	R	R	R			R		R	R	R	R							CR									CR			
Findlay, Univ. of (OH)				N/A																																					
Florida, Univ. of	*		6	4			R ^{MM}		R ¹⁷	R	R	R	R	R			R		R	R	R	R						R									R	R			
Florida A&M Univ.				69			R ^{MM}		R	R	R	R	R	R			R		R	R	R	R						R										R			
Georgia, Univ. of				60					R	R	R	R	R	R			R		R	R	R	R						R	R									R ⁶			
Hampton Univ. (VA)				4					R	R	R	R	R	R			R		R	R	R	R						R	CR	CR	R ^{MM}						CR	CR			
Harding Univ. (AR)	*			90	6		R ^{MM}	R	R	R	CR	R	R	R			R		R	R	R	R				CR	R	CR	CR												
Hawaii-Hilo, Univ. of	*			5			R ^{MM}		R	R	R	R	R	R			R		R	R	R	R						CR										CR			
Houston, Univ. of (TX)	*			70					R	R	R	R	R	R			R		R	R	R	R						R	CR									R ⁹	R ⁸	CR	
Howard Univ. (DC)	*			64-70			CR		R	CR	CR	R	R	R			CR		R	R	R	R					CR	CR	CR	CR								CR	CR		
Husson Univ. (ME)	*	92	60				R ^{MM}		R	R	R	R	R	R			R		R	R	R	R						R	CR										CR		
Idaho State Univ.				72			R ^{MM}	R	R	R	R	R	R	R			R		R	R	R	R							R												
Illinois-Chicago, Univ. of	*	90	60				R		R ³⁷	R	R	R	R	R			R		R	R	R	R							CR										CR		
Incarinate Word, Univ. of the (TX)	*			67-71			R ^{MM}		R	R	R	R	R	R			R		R	R	R	R						R	R												
Iowa, Univ. of	*			62-76			R ^{MM}		R ³⁷	R	R	R	R	R			R		R	R	R	CR						R													
Kansas, Univ. of	*			68			R ^{MM}		R	R							R	R	R	R	R	R							R												
Kentucky, Univ. of	*			70			R		R	R	R	R	R	R			R		R	R	R	R						R													
LECOM (PA, FL)	*			60					R	R	R	R	R	R			R		R	R	R	R						R											CR		
Lipscomb Univ. (TN)	*			62					R ²⁹	R	R	R	R	R			R		R	R	R	R						R ²⁹	R												
Loma Linda Univ. (CA)	*	117	78				R	R	R ^{MM}	R	R	R	R	R			R		R	R	R	R							R												
Long Island Univ. (NY)	*			67			R		R	R	R	R	R	R			R		R	R	R	R							R										CR		
Louisiana at Monroe, Univ. of	*			6					R	R	R	R	R	R			R		R	R	R	R						R	R												
Maryland, Univ. of	*	103	65				R ^{MM}	R	R	R	R	R	R	R			R		R	R	R	R						R													
Maryland Eastern Shore, Univ. of	**	104-105	66-67			X	R ^{MM}		R	R	R	R	R	R			R		R	R	R	R						R	R										R		
Massachusetts-Boston	*	104	70						R ^{MM}	R	R	R	R	R			R ⁵⁰		R	R	R	R						R	R	R									CR	R	CR
Massachusetts-Worcester/Manchester	*			66					R	R	R	R	R	R			R		R	R	R	R					CR	R	R	R	CR	CR	R								R
Mercer Univ. (GA)	*	90	60						R	R	R	R	R	R			R		R	R	R	R							CR											CR	
Michigan, Univ. of	*			72			R ^{MM}	R	R	R	R	R	R	R			R ⁷		R	R																					

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Pacific, Univ. of the (CA)	*	96		64					R		R	CR	R	CR					R	CR							CR	R								
Pacific Univ. Oregon	*			60			R ^M		R	R	R	R	R	R			R	R	R	R							CR	R				CR				
Palm Beach Atlantic Univ. (FL)	*			66-67			R ^M	R	R ¹		R	R	R	R			R		R	R						R										
Philadelphia, Univ. of the Sciences in (PA)				n/a																																
Pittsburgh, Univ. of (PA)	*		6	60-62	4				R		R	R	R	R					R	R							R	R	R							
Presbyterian College (SC)	**			65			R ^M		R	R	R	R	R	R			R		R	R	R					R		CR	CR	CR					CR	
Puerto Rico, Univ. of				71-74					R		R	R	R	R					R	R		R ^M	R				R	R								
Purdue Univ. (IN)	*			60	4		R ^M		R ^M	R	R	R	R	R			R		R	R	R															
Regis Univ. (CO)	*			68			R ^M		R		R	R	R	R			R		R	R								R								
Rhode Island, Univ. of				n/a																																
Rutgers, The State Univ. of NJ				74			R ⁴²		R	R	R	R	R	R					R	R							R	R	CR						CR	
Samford Univ. (AL)	*			66			R ^M		R				R	R			R		R	R							R	CR			CR		CR		CR	
Shenandoah Univ. (VA)	*			65					R	R	R	R	R	R			R	CR	R	R								CR					CR			
South Univ. (GA)	*		6		4		R ^M		R	CR	CR	R	R						R	R				CR			CR	R			R	R				
South Carolina COP				66			R ^M		R	R	R	R	R	R					R	R		R ^M					R	R	R							
South Dakota State Univ.				51			R ^M		R ^M	R	R	R	R	R			R		R	R																
Southern California, Univ. of	*						R ⁴⁶	CR	R ³⁷	CR	R	R	R	R			R	R	R	R		R ⁴⁷					R	CR	CR				CR		CR	
Southern Illinois Univ. Edwardsville				70			R ^M		R	R	R	R	R	R					R	R		R ^M						R								
St. John Fisher College (NY)	*			55					R	R	R	R	R	R					R	R							R	R							R	
St. John's Univ. (NY)				n/a																																
St. Louis COP (MO)	*			n/a																																
Sullivan Univ. (KY)	*	108		72			R		R	R	R	R	R	R			R	R	R	R	R ^M						R	CR	CR	CR	CR				CR	
SW Oklahoma State Univ.				58					R	R	R	R	R	R			R		R	R	R					R		R	R	R ⁵	R ⁴³					
Temple Univ. (PA)	*			67	4				R	R	R	R	R	R					R	R		R ^M						R ¹⁰								
Tennessee, Univ. of	*			88	6		R ^M	R ^M	R	CR	CR	CR	R	R	CR	R	R	R	R	R	R				CR		R		CR	CR	CR	CR			CR	CR
Texas A&M Univ.				72					R	R	R	R	R	CR			R	CR	R	R	R						R		CR	R	R ⁸				CR	CR
Texas Southern Univ.				80					R	CR	R	R	R	R			CR	CR	R	R	R	R	R			R	R	CR	CR	R ⁷	R ⁷	CR				
Texas Tech Univ.			6		4				R	R	R	R	R	R			R		R	R							R	R								
Texas-Austin, Univ. of				60					R ³⁷	R	R	R	R	R	R	R	R	R	R	R								R								
Thomas Jefferson Univ. (PA)	*		8	68	4		R ^M		R	R	R	R	R	R			R		R	R		R ^M						R								
Toledo, Univ. of (OH)	*			44			R ⁴⁸		R	R	R	R	R	R					R	R																
Touro Univ. (CA)	*					X	R ^M	CR	R				R	R			R		R	R																
Touro College (NY)	*					X	R	R	R	R	R	R	R	R			R		R	R								R								
Union Univ. (TN)	*			90			R ^M	R ^M	R	CR	CR	R	R	R		R	R	R	R	R	R				CR		R	R								
Utah, Univ. of	*			50			R ^M		R ^M	R	R	R	R	R			R		R	R		R ^M														
Virginia Commonwealth Univ.	*		9	90	6		R ^M	R	R	S	R	R	R	R	S	S	R		R	R							R									
Washington, Univ. of	*	90		60					R	R	R	R	R	R			R		R	R								R	R							
Washington State Univ.	*				6		R ^M	R	R	R	R	R	R	R	R	R	R	R	CR	R	R							R	R							
Wayne State Univ. (MI)	*						R		R	R	R	R	R	R			R		R	R																
West Virginia Univ.	*			65					R	R	R	R	R	R			R		R	R		R ^M						R								
Western Univ. (CA)	*	90^		52			R ^M	R ^M	R				R	R			R ⁷		R	R																
Wilkes Univ. (PA)	*			41					R	R	R	R	R	R					R	R								R								
Wingate Univ. (NC)	*		8		4		R		R	R	R	R	R	R			R		R	R								R	R							
Wisconsin, Univ. of	*			62-68					R	CR	R	R	R	R	CR		CR		R	R		R ^M					CR		CR							CR
Wyoming, Univ. of	*		8		4		R ^M		R	R	R	R	R	R			R ⁷		R	R								R								
Xavier Univ. (LA)	*			66					R	R	R	R	R	R			R		R	R																CR
Total # REQUIRED						5		72	19	111	8	99	79	111	110	7	5	71	7	110	110	1	87	11	1	0	3	63	42	20	5	11	9	0	0	2
Total # CONDITIONALLY REQUIRED							3	3	0	6	5	7	0	1	4	0	3	6	0	0	2	2	0	0	4	4	5	18	23	8	8	15	1	9	21	
TOTAL # SUGGESTED							0	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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AACP Member Institutions	Econ	Ethics	Gender/Ethnic Stud	Business / Accounting	Critic Think	Phys Ed	Int'l Culture	Humanities ^b	Fine Art	General Ed / Electives ¹	Eng Composition	Literature	Relig Studies	Rhetoric	Philosophy	Music / Music Appr	Foreign Lang	Communication	Public Speak / Speech	Institution Specific ^c	Writing	English	Math	Science	History / Social Science	College Prep	Foreign Language	Humanities	
Pacific, Univ. of the (CA)	R							CR		CR	R	R																	
Pacific Univ. Oregon	R							R	R	R ^{AA}										R									
Palm Beach Atlantic Univ. (FL)	R							R		R ^{AA}										R									
Philadelphia, Univ. of the Sciences in (PA)																						4 [^]	3 [^]	3 [^]	2 [^]	CR			
Pittsburgh, Univ. of (PA)	R							R		R	R ^{AA}																		
Presbyterian College (SC)	R	CR									R	R	CR							R									
Puerto Rico, Univ. of	R							R		R ^{AA}						R ¹²		R											
Purdue Univ. (IN)	R									R	R																		
Regis Univ. (CO)	R										R		R		R					R									
Rhode Island, Univ. of																						4 [^]	3 [^]	2 [^]	1 [^]	6 [^]			
Rutgers, The State Univ. of NJ	R ¹							R		R ^{AA}												4 [^]	3 [^]	2 [^]					
Samford Univ. (AL)						R		CR		R ^{AA}		R	CR			CR			R										
Shenandoah Univ. (VA)	R	CR						R		R	R ^{AA}		CR		CR				R										
South Univ. (GA)	R							R		R	R								R										
South Carolina COP	R							R		R ^{AA}									R										
South Dakota State Univ.	R ²									R ^{AA}									R										
Southern California, Univ. of	R ¹									CR									CR		R ^{AA}								
Southern Illinois Univ. Edwardsville	R				R			R	CR	R ^{AA}	CR			CR					R										
St. John Fisher College (NY)	CR				R			R		R	R								R										
St. John's Univ. (NY)																													
St. Louis COP (MO)																													
Sullivan Univ. (KY)	R							R		R	R ^{AA}						CR		R										
SW Oklahoma State Univ.	R ²						CR	R	R	R ^{AA}							CR		CR										
Temple Univ. (PA)	R		R				CR		R	R								CR											
Tennessee, Univ. of	CR									R	R ^{AA}	CR			CR		CR												
Texas A&M Univ.	CR							R	CR	R ^{AA}	CR			CR		CR		R	R										
Texas Southern Univ.							CR	CR	R	R ^{AA}									R										
Texas Tech Univ.	R							R		R ^{AA}	R								R										
Texas-Austin, Univ. of										R	R		R ¹⁶																
Thomas Jefferson Univ. (PA)								R		R																			
Toledo, Univ. of (OH)	R ¹									R												4 [^]	3 [^]	3 [^]	3 [^]	R			
Touro Univ. (CA)																													
Touro College (NY)	R ¹									R																			
Union Univ. (TN)							R		R	R ^{AA}									R										
Utah, Univ. of																						R ²¹							
Virginia Commonwealth Univ.										R	R ^{AA}								R										
Washington, Univ. of								R		R ^{AA}									R										
Washington State Univ.	R ¹	CR								R ^{AA}																			
Wayne State Univ. (MI)																					R								
West Virginia Univ.	R ¹							R	R	R	R ^{AA}								R										
Western Univ. (CA)										R	R ^{AA}								R										
Wilkes Univ. (PA)	R ¹																		R										
Wingate Univ. (NC)	R							R		R	R ^{AA}								R										
Wisconsin, Univ. of	R ¹		R							R									R ⁹										
Wyoming, Univ. of										R																			
Xavier Univ. (LA)	R ¹	R ⁴								R	R	CR	R	R	R				R										
Total # REQUIRED	73	6	3	3	2	7	4	50	12	45	96	12	5	2	4	0	3	7	66	3	4								
Total # CONDITIONALLY REQUIRED	6	3	0	4	1	0	2	7	10	1	3	7	5	1	6	3	8	1	8	0	2								
TOTAL # SUGGESTED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0							

KEY

General Guidelines: If applicable, courses should be for science majors and include a lab. Check the institution's web site for specific guidelines or clarification

R: Required for admission

CR: Conditional Requirement, subject may be substituted to fill prerequisite

S: Suggested/Recommended, not required for admission

^a Social Science requirement may include any of the following subjects: Psychology, Sociology, Anthropology, Political Science, Economics, Geography. Please contact individual school to determine how many hours/classes are required to fulfill their requirements.

^b Humanities requirement may include any of the following subjects: History, Civilizations, Fine Arts, Literature, Philosophy, Religious Studies, Ethics, Foreign Language, Cultural Diversity, Performing Arts, Visual Arts. Please contact individual schools to determine institution specific requirements.

^c Contact institution for specific course equivalencies

^d Contact schools with this requirement for course equivalencies

^f General Education requirement is often the non-science courses pre-requisites. Contact schools with Gen Ed requirement for courses.

** These colleges of pharmacy are not yet eligible to join AACP as institutional members. They participate in PharmCAS and have had an ACPE site visit approved but have no official ACPE status. All PharmCAS applicants that designate these schools are required to apply to another school with ACPE status (last updated on August 21, 2009)

[^] Units

^{^^} Two courses are required for subject

^{^^^} Three courses are required for subject

¹ Microeconomics

² Macroeconomics

³ Core Fine Arts: Art Appreciation, Art History, Music Appreciation, or Theater Appreciation

⁴ Healthcare related ethics

⁵ American Government / Politics

⁶ U.S. History

⁷ Medical Microbiology

⁸ US and/or Texas History: check school's requirements

⁹ Must meet the UW-Madison Communication "A" requirement

¹⁰ Intellectual Heritage

¹¹ The United States Before 1877 or equivalent and The United States Since 1877 or equivalent

¹² Must be fluent, or near fluent, in Spanish. All patient interaction is conducted in Spanish.

¹³ American Culture

¹⁴ Performing and Fine Arts (including Music), Physical Education, Foreign Languages, Computers or similar courses will not meet this requirement.

¹⁵ Sophomore Level English Composition Course

¹⁶ Rhetoric and Composition Course

¹⁷ Calculus course must include Analytical Geometry component

¹⁸ Accounting

¹⁹ Physics I is a required course, Physics II is conditionally required

²⁰ Calculus I is a required course, Calculus II is conditionally required

²¹ Professional / Technical Writing

²² Technical or Creative Writing

²³ Speech/Interpersonal Communications

²⁴ Statistics: Biostatistics

²⁵ General Biology I and II will no longer be required beginning with the class of 2008, see note 30

²⁶ Molecular Biology and Genetics will be required beginning with the class of 2008

²⁷ Physiology and lab not required

²⁸ Statistics - Must have a general statistics or biostatistics emphasis; a course in business statistics is not acceptable.

²⁹ Course for life sciences majors

³⁰ American Diversity

³¹ World Civilizations

³² Masterworks in Literature