



2020-2021 Summary of Course Prerequisites

The 2020-2021 AACCP Course Prerequisite Summary is intended to help applicants more easily determine how the course prerequisites for doctor of pharmacy (Pharm.D.) degree programs overlap across colleges and schools of pharmacy in the United States. The Summary reflects the total number of semester hours pharmacy applicants must complete per subject area, as captured in the PharmCAS School [Directory](#). Some colleges and schools of pharmacy offer more than one program, pathway, or campus for Pharm.D. degree students and are represented in the Summary more than once. The Summary generally reflects the minimum number of course prerequisites per program. Pharmacy schools may have additional requirements, recommended courses, preferences, or policies that are not reflected in the Summary. Schools may also allow applicants to substitute courses or choose different prerequisite tracks. Applicants should not rely solely on this summary to determine the course prerequisites for a particular pharmacy school. Visit the PharmCAS School Directory for program-specific details and contact schools directly to determine whether a particular college course will fulfill a prerequisite.

Course Subject Descriptors:

The following descriptors are only intended to provide general guidance. Not all course subjects are described, and no schools require prerequisite courses in every subject. Schools may require specific or advanced courses in a particular subject area. Visit the PharmCAS School [Directory](#) for program-specific details.

- **Anatomy, Physiology, and Anatomy & Physiology:** Schools may accept separate anatomy and physiology courses OR combined anatomy & physiology (A&P) I and II courses. Lab requirements vary.
- **Biochemistry:** Lab requirements vary.
- **Biology/Biological Science:** Lab requirements vary.
- **Chemistry:** General chemistry I & II and organic chemistry I & II are commonly required. Lab requirements vary.
- **Communication/Speech** (Verbal): Public speaking or speech may be preferred or required.
- **Humanities:** General or specific courses in history, languages, literature, philosophy, the arts, or religion may be required.
- **Microbiology:** Labs requirements vary.
- **Physics:** Lab requirements vary.
- **Psychology:** General psychology is most commonly required. See also social/behavioral science.
- **Math:** Calculus may be preferred or required.
- **Social/Behavioral Science:** Psychology and/or sociology may be preferred or required.
- **Statistics:** Biostatistics may be preferred or required.

**2020-2021 Summary of Course Prerequisites
for U.S. Colleges and Schools of Pharmacy**

2020-2021 Colleges and Schools of Pharmacy in the U.S.	Anatomy *	Physiology *	Anatomy & Physiology *	Biochemistry	Biology/Biological Science	Chemistry	Communication / Speech	Computer Science	Economics	English Composition / Writing	Ethics	Foreign Language	Humanities	Math	Microbiology	Physics	Psychology	Science/Math Elective(s)	Social/Behavioral Science	Statistics	General Elective(s)	Other	Grand Total
Albany CPHS - NY					11	16	3						9	3	3	3			3	3	9		63
Albany CPHS - VT					11	16	3						9	3	3	3			3	3	9		63
American U Hlth Sci	3	3			8	16	3		3	3				3	3		3			3		6	57
Appalachian COP	3	3			8	16				6			3	6	3	8		3	3		10		72
Auburn U			4	3	4	16				6			18	4	4				6	3		19	87
Belmont U					8	16	6			6			3	3		3			6	3	9		63
Binghamton U	4	3		3	8	16			3	5				3	3	4			2	3			61
Butler U			8		3	18								4	3								36
California Hlth Sci U		3			8	16	3		3					3	3				3		30		72
California Northstate U		3			7	16	3			6				3					6				44
Campbell U			4		4	15				6			12	3	4	4				3		8	63
Cedarville U			8		7	16	3			3			9	4	4	4			3		10		71
Chapman U	4	4			7	16	3		3	3				3	3	4			3	3	6		62
Chicago State U	3				8	16	3		3	6				3		3			3	3	11		62
Concordia U Wisconsin					8	16	3		3	3				3		3		5		3	17		64
Creighton U	3				8	16	3		3	6				3			3				18		63
Drake U					8	16	3			6				4	3					3			43

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Duquesne U					8	16		3	3	6	3		15	4		3	3			3			67
D'Youville C					12	16	3		3	6				4		4				3	9		60
East Tennessee St U					7	16	3		3	3				3	4	4				3	3	12	61
Fairleigh Dickinson U			8	3	8	16				3				3		4				3	28		76
Ferris St U			8	4	11	16	3		3	9			9	3	3	4			3	3			79
Florida A&M U			8	4	8	16				6			6	8	4	8			6	3	6		83
Hampton U			8		14	16	3		3	6			6	6	4	5			3	3	9	6	92
Harding U				3	8	16	3		3	6				4	4				3	3	11		64
High Point U		4			4	16	3			6			3	3	4	3			3		16		65
Howard U			8	4	3	20	3			6			6	4		10			6		9		79
Husson U			8		8	16				9	3			4			3			3	9		63
Idaho St U			8	3	4	16			3					3	4	3				3		25	72
Idaho St U - AK			8	3	4	16			3					3	4	3				3	25		72
Keck Graduate Inst	4	4		3	8	16	3		3	6				3	3	3			3	3			62
Larkin U			6		14	16	3		3	6				3		3			3	3	3		63
Lebanese American U		8	4	4	4	11		2		6					3					3	15	4	67
LECOM - FL					8	16			3	6				3		3			3	3	9		54

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LECOM - Online					8	16			3	6				3		3			3	3	9		54
LECOM - PA					8	24			3	6				3		3			3	3	9		62
Lipscomb U					8	16	3		3	6				3	4					3	18		64
Loma Linda U				3	8	16				6			12			4			12				61
Long Island U			8		8	16	3		3	6			6	4	4	4	3			3		1	69
Manchester U			3		3	12	3		3	3			6	3	3	3			3	3	12		60
Marshall B Ketchum U	3	3			6	12	3		3	3				3	3		3						42
Marshall U	4	4			8	16				6				3	4	4			3	3			55
MCPHS - Boston			3		11	15	3			6				6		3	3		3	3	9		65
MCPHS - Manchester					7	16			3	6			3	6	3	3	3		12	3			65
MCPHS - Worcester					7	16			3	6			3	6	3	3	3		12	3			65
Med C Wisconsin					12	15	3			3				3						3	12		51
Med U South Carolina	3	3			8	16	3		3	6				3	3	3	3			3	9		66
Mercer U			6	3	8	16	3		3	6			6	3	3				6	3			66
Midwestern U - AZ	3				8	16	3		3	6				3		3			6	3	8		62
Midwestern U - IL	3				8	16	3		3	6				3		3			6	3	8		62
NEOMED U			3	3	8	16				6				3	3	3				3	15		63

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North Dakota St U			8	6	8	15	3		3	9			6	4	5	3			3	3		7	83
Northeastern U			8	3	7	15							4	3		3							43
Northeastern U - Dual			8	3	7	15							4	3		3							43
Notre Dame Maryland U			8		8	16	3		3	6	3			3	4	3			6	3	6		72
Nova Southeastern U			6		8	16	3			6			3	3		3		6	3		9		66
Nova Southeastern U - Int'l			6	4											3							16	29
Ohio Northern U			8		4	16								3		3				3			37
Ohio St U, The		3		3	3	17								4	3					3			36
Oregon St U			8	4	8	16			3					3	4	4				3			53
Pacific U Oregon			8		8	16			3	9			3	3	3	3	3		3				62
Palm Beach Atlantic U			8	3	8	16	3		3	6				3	4					3	9		66
PCOM - GA			4		8	16	3		3	6			3	3					3	3	8		60
Presbyterian C			6		8	16	3		3	6			6	3	4	3			3	3			64
Purdue U			6	3	11	16	3		3	3				3	4	4				3			59
Regis U	3	3			12	20	3		3	3				4					6		6	3	66
Roosevelt U			5		6	12	3		3	6				3		3				3	9		53
Rosalind Franklin U Med Sci	4				6	12	3			6			6	3	3				6	3	3		55

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Roseman U Hlth Sci	3	3				16	3			3				3	3						26		60
Rutgers U		3			9	18			3	6				4		7			3	3	12		68
Samford U			8			16	3			6			6	4	4				3	3	9	2	64
Shenandoah U			6		11	16	3		3	6			3	3	3	3			3	3			63
South College (TN)			8		8	16	3		3	6			9	3	4				6	3			69
South Dakota St U	4	4			3	16	3		3	6				5	4					3			51
South U - GA			6		4	16				3				3				16			12		60
Southern Illinois Edwardsville			8		8	18	3		3	6				5	4	5			3	4	3		70
Southwestern Oklahoma St U	4				4	18	3	3	3	6			12	3	5	3	3						67
St. John Fisher C					12	16	3		3	6				3		4				3	12		62
St. John Fisher C Online					12	16	3		3	6				3		4				3	12		62
St. Louis COP			8	3	8	16	3		3	6			3	3	4	4			3	3			67
Sullivan U			3		4	16	3		3	6				3	4					3	27		72
Temple U			6		8	16			3	3			9	4		4			9	3			65
Texas A&M U					11	16	3			6				3	4	4				3	24		74
Texas Southern U			8		8	16	3			9			15	4	4	4				3			74
Texas Tech U HSC					8	16	3			6			12	4	4	4			3	3		3	66

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Thomas Jefferson U			8		8	16				3			9	3	4	4			9		8		72
Touro C - NY	4	4		3	8	16	3		3	3			6	3	4	4			6				67
Touro U - CA		3				16								3	4								26
U at Buffalo	Req	Req		Req	Req	Req				Req				Req	Req				Req	Req			Req
U of Arizona, The			8		4	16				6			9	3	4	3			6	3			62
U of Arkansas Med Sci					8	16	3		3	6			3	3	4		3	9		3			61
U of California, San Diego					8	16	3		3	6				6		6			3				51
U of California, San Francisco		3			8	16	3		3	5				3	3				3	3		10	60
U of Charleston	4	4			8	16			3	6			3	3	4				3	2			56
U of Cincinnati			8	3	5	20				6				4	4	10				3	15		78
U of Colorado	3	4		3	8	16	3		3	6			9	3	2	3					9		72
U of Connecticut			8	4	4	14			3	7			9	4	4	4			3			3	67
U of Findlay, The					14	16				6	3			4	4	4				3	12	4	70
U of Florida			8	4	8	16								4	3					3			46
U of Georgia			6	3	8	16	3		3	6				3	3				6	3		9	69
U of Hawaii Hilo			8		8	16	3		3	6			6	3	4				6			3	66
U of Houston					11	16				6			18	4	4	3			3	3		3	71

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U of Illinois Chicago			6	3	8	16	3			3			3	3	4	3			3	3		3	61
U of Iowa, The	3	3		3	8	14			4	4				4	4	3				3	12		65
U of Kansas, The	3	5			4	20	3			6				3	5	4				3	12		68
U of Kentucky	3	3			4	16	3			6				4	4					3	19	3	68
U of Louisiana Monroe, The			7	3	6	16	3		3	6			6	3	4	4			3	3			67
U of Maryland			6		8	16	3		3	3				3	4	4				3	12		65
U of Maryland Eastern Shore			8		4	16	3		3	6				4	4	4				3	12		67
U of Michigan	3	3		3	9	12				3			6	3	3	3			6	3			57
U of Minnesota	3	3			6	12	3			3				3	3	3			6	3			48
U of Mississippi, The	4	4		3	12	16	3		3	6	3		12	3	3	4			6	3			85
U of Missouri-Kansas City	4				9	16	3			6			3	4	4	4				3		1	57
U of Montana			6		4	18	3		3	3				4		5			3	4	12		65
U of Nebraska Med Ctr	4	4		3	4	16	3			6				4		8				3	9		64
U of New England			8		4	16	3			3				3	3	3			6	3	6		58
U of New Mexico, The			6		8	16	6		3	6				3	4	6				3	24	6	91
U of North Carolina Chapel Hill				3	8	19								3	4	8				3			48
U of North Texas HSC	4				11	16	3			6			15	3	4	4			3	3			72

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U of Oklahoma, The					8	16				6				3	4	3					24		64
U of Pittsburgh					8	16				6			9	3					9	3	6		60
U of Puerto Rico			6		6	16	3		3	6		6	6	11		8	3		6				80
U of Rhode Island, The			8	3	4	16	3		3	3	3			3	4					4			54
U of Saint Joseph			8			16	3		3	6			6	3	4	4		6	6	3			68
U of South Carolina			6		8	16	3		3	6			9	3	3	3	3			3			66
U of South Florida			8	3	14	16			3	3			9	3	3	4			3	3			72
U of Southern California		3		3	8	16								4	3					3			40
U of Tennessee, The			8		8	16	3			6			6	3	3				6	3			62
U of Texas Austin, The					9	16				3			3	3	4	3				3		24	68
U of Texas El Paso, The			8	3	11	16	3			9		3	18	4	4	4			3	3		3	92
U of Texas Tyler, The			8		8	16	3							3	4								42
U of the Incarnate Word			8		4	16	3			6			12	3	4	4			3	3	2		68
U of the Pacific		4			8	16	3		3	6			9	4	3	4	3				28		91
U of the Sci Philadelphia			6		8	16	3		3	6			6	3	4	4			3	3			65
U of Toledo, The		3			5	18				6				4		4				3			43
U of Utah	3	3				16	3							3	3	3				3	3		40

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U of Washington			6	4	8	16	3		3	6			3	3	4				3	3			62
U of Wisconsin - Madison					8	16				3			6	4	3	4			3	3		3	53
U of Wyoming	4	4		4	8	16								4	4					4			48
Union U			8		8	16	3			6				3	4	4				3	6		61
Virginia Commonwealth U	3	3		3	8	16				6				3	3	4				3			52
Washington St U	4	4		4	8	16			3	6	3			3	4		3			3			61
Wayne St U			6	4	4	15	3			6				4	4	4				3		15	68
West Coast U	3	3		3	8	16	3		3	6				3	3	4			3	3	6		67
West Virginia U		3		3	8	16	3		3	6				3	3					3	9		60
Western New England U			8		8	16	3		3	6	3			3	4	4	3		3	3			67
Western U Hlth Sci				3	6	16	3			6				3	3		3					6	49
Wilkes U					8	16	3		3					4		4				3			41
William Carey U			8		8	16	3		3	6				3		3			6	3	9		68
Wingate U			4		4	16				6			12	3	4	4				3	6		62
Wingate U - Hendersonville			4		4	16				6			12	3	4	4				3	6		62
Xavier U Louisiana					8	16	3			6	3		3	4	4	4			3	3			57

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Grand Total	115	137	492	156	1096	2380	298	8	244	723	27	9	493	508	395	426	57	48	345	363	796	190	9306
# of Pharm.D. Programs with Course Prerequisite in Subject	35	39	73	49	146	151	97	3	81	132	9	2	66	149	113	107	19	6	80	121	73	25	
% of Pharm.D. Programs with Course Prerequisite in Subject	23%	26%	48%	32%	96%	99%	64%	2%	53%	87%	6%	1%	43%	98%	74%	70%	13%	4%	53%	80%	48%	16%	
Mean # of Semester Hours Required in Course Subject**	3.4	3.5	6.8	3.3	7.6	16.0	3.1	2.7	3.0	5.5	3.0	4.5	7.5	3.5	3.6	4.0	3.0	7.5	4.5	3.0	11.6	7.4	62.5
Median # of Semester Hours Required in Course Subject**	3	3	8	3	8	16	3	3	3	6	3	3	6	3	3	4	3	6	3	3	9	6	63

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** The mean and median calculations only include programs with one or more course prerequisites in the subject.

Req.: Program requires one or more courses in subject but did not specify the number of semester hours required.

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