

Bachelor of Science, Biology: B.S. + PharmD (LECOM 3+): 2025-2026 Catalog

Course No.	Description	Cr.	Course No.	Description	Cr.
First Year Fall			First Year Spring		
<input type="checkbox"/> BIOL 110	Evolution, Ecol, & Plant Biol	4	<input type="checkbox"/> BIOL 111	Molecules, Cells, & Anim. Phys. (cc9)	4
<input type="checkbox"/> CHEM 121	Chemistry Principles I	4	<input type="checkbox"/> CHEM 122	Chemistry Principles II	4
<input type="checkbox"/> MATH 121	Calculus/Geom I	3	<input type="checkbox"/> STAT 205, MATH 215, or BIOL 315	Statistics (cc8)	3
<input type="checkbox"/> or MATH 112	Calculus		<input type="checkbox"/> THEO xxx	Theology (cc2)	3
<input type="checkbox"/> WRIT 102	Research Writing (cc3)	3	<input type="checkbox"/> CORE I	Building a Foundation (cc1)	3
<input type="checkbox"/> HIST xxx	History (cc5)	3	<input type="checkbox"/> CORE 104	Spring Comm. Enrich. Series	0
<input type="checkbox"/> CORE 103	Fall Comm. Enrich. Series	0			
<input type="checkbox"/> BIOL 131	Biology First Year Seminar	0			
Total Credits		17	Total Credits		17

Second Year Fall			Second Year Spring		
<input type="checkbox"/> BIOL 406	Vertebrate Physiology	4	<input type="checkbox"/> BIOL 211	Comp. Vertebrate Anat.	4
<input type="checkbox"/> CHEM 221	Organic Chemistry I	4	<input type="checkbox"/> CHEM 222	Organic Chemistry II	4
<input type="checkbox"/> LIT xxx	Literature (cc7)	3	<input type="checkbox"/> ECON 101	Economics	3
<input type="checkbox"/> PHIL 105/...	Philosophy (cc11)	3	<input type="checkbox"/> FTAE/PHIL	Ethics (cc13)	3
<input type="checkbox"/> CORE II	Civic Resp. & Citizenship (cc4)	3	<input type="checkbox"/> FNAR/ART	Fine Arts & Creative Exp. (cc12)	3
			<input type="checkbox"/> BIOL 231	Biology Sophomore Seminar	0
Total Credits		17	Total Credits		17

Third Year Fall			Third Year Spring		
<input type="checkbox"/> BIOL 302	General Microbiology	4	<input type="checkbox"/> BIOL 301	Genetics	4
<input type="checkbox"/> PHYS 104	Intro to Physics I	4	<input type="checkbox"/> PHYS 105	Intro to Physics II	4
<input type="checkbox"/> or 121	Gen. Physics I		<input type="checkbox"/> or 122	Gen Physics II	
<input type="checkbox"/> BIOL 405	Biochemistry	4	<input type="checkbox"/> ---- xxx	Language and Cultures (cc10)	3
<input type="checkbox"/> BIOL 383	Biol. Research Meth. Sem. (cc15)	2	<input type="checkbox"/> BIOL 401	Cell & Molecular Biology	4
<input type="checkbox"/> PMED 331	Junior Pre-Med Seminar	0	<input type="checkbox"/> xxx	CORE III (cc14)	3
<input type="checkbox"/> Soc Sci	PSYC 101 or SOC 101/102 (cc6)	3			
Total Credits		17	Total Credits		18

103 Total Required Credits, plus first year at LECOM School of Pharmacy

Updated: 4/2025

***Sequence of courses may be altered with consent of advisor.

Notes:

***If students have not already done so, they must go to the LECOM portal to register their intent to apply and the year of expected admission. They must also contact the chair of the Biology department to notify them of their intent.

Statistics Requirement can be fulfilled by:

BIOL 315 – Biostatistics (S)
 MATH 215 – Introductory Statistics (F,S)
 STAT 205 – Essentials of Statistics (F,S)
 (Students are encouraged to check with relevant professional schools to verify mathematics and statistics entrance requirements).

*Economics is required and either PSYC 101 or Sociology must also be taken.

**In the Sophomore year, students will need to apply in January to appear before the Pre-Medicine Committee.