

**TOPS University Louisiana Transfer Degree Associate of Science: Concentration in Physical Science**  
*Postsecondary Partner: River Parishes Community College*

**Overview**

The Associate of Science/Louisiana Transfer degree is a 60-credit hour program designed for students who are planning to transfer to a four-year college/university and major in a physical science degree program. It is also for students who may not be planning to transfer to a four-year institution but wish to find employment in one of the various fields related to the physical science.

**Capstone Credentials**

Regional (Emerging)	Basic	Advanced	Fast Forward Advanced Plus
			- Louisiana Transfer Degree Associate of Science: Concentration in Physical Science

\*Core Academic Course  
 \*\*Jump Start CTE Course

Grade 9	
Semester 1	Semester 2
*English I 120331	*English II 120332
*Algebra I 160321	*Geometry 160323
*Civics 220501/220504	*Biology 150301
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500

Grade 10	
Semester 1	Semester 2
*Algebra II 160322	*English III 120333
*U.S. History 220403	*World History 220401
*Physical Science 150802	*Chemistry I 150401
*Foreign Language I	*Foreign Language II

*Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.*

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*English Composition I ENGL 1010	*English III: DE-CENL 1013 English Composition I 120601	*English Composition II ENGL 1020	*English IV: DE-CENL 1023 English Composition II 120607
*Calculus I MATH 2100	*Calculus: DE-CMAT 2113-5 Calculus I 160506	*Calculus II MATH 2110	*Calculus: DE-CMAT 2123-5 Calculus II 160507
*Principles of Biology I BIOL 1201	*Biology II: DE-CBIO 1033 General Biology I (Sci Majors) 150324	*Chemistry I CHEM 1010/Lab CHEM 1010L	*Chemistry II: DE- CCEM 1103 Chemistry I 150419
*Social/Behavioral Science: Introduction to Geography GEOG 2010 or Macroeconomics ECON 2010 or Microeconomics ECON 2020	*World Geography: DE- CGRG 2113 World Regional Geography 220312 or Economics: DE-CECN 2213 Macroeconomics 220608 or Economics: DE-CECN 2223 Microeconomics 220609	Social/Behavioral Science: PSYC, SOCL, POLI, ECON, ANTH, GEOG, CRJU	TBD by course selected

Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
Literature Course: ENGL 2100, 2110, 2150, 2410, 2420, 2430, 2510, 2520, 2530, 2610, 2620, 2630, 2700, 2800, 2900	TBD by course selected	Humanities Course: HIST, SPAN, PHIL, RELS, SPCH, WGNS, any 2000-level ENGL	TBD by course selected
Humanities Course: HIST, SPAN, PHIL, RELS, SPCH, WGNS, any 2000 level ENGL	TBD by course selected	Choose 1 from BIOL, CHEM, PHSC, PHYS, MATH	TBD by course selected
*Chemistry II CHEM 1020/Lab CHEM 1020L	*Chemistry II: DE – CCEM 1113 Chemistry II (Sci Majors) 150422	Choose 1 from BIOL, CHEM, PHSC, PHYS, MATH	TBD by course selected
*Fine Arts Course: ART, MUSC, THTR that aligns with TOPS requirements	*TBD by course selected	Elective: ENGL, BIOL, CHEM, PHSC, PHYS, PSYC, SPCH, HIST, SPAN, PHIL, RELS, WGNS	TBD by course selected
Elective: ENGL, BIOL, CHEM, PHSC, PHYS, PSYC, SPCH, HIST,	TBD by course selected	Elective: ENGL, BIOL, CHEM, PHSC, PHYS, PSYC, SPCH, HIST,	TBD by course selected

SPAN, PHIL, RELS, WGNS		SPAN, PHIL, RELS, WGNS	
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*This pathway framework is an outline of how the approved courses can be implemented. Schools may opt to rearrange the order of course sequencing in order to meet local scheduling requirements. Additionally, Fast Forward pathways are dynamic and the Jump Start Review Panel will consider course equivalents on an as needed basis.*