

## Pre-Engineering Cooperative Programs

These programs are designed to help prepare students for studies in engineering at Louisiana Tech University or LSU A&M in Baton Rouge. Due to recent changes in the engineering curriculum at Louisiana Tech, students should contact the engineering department as early as possible in their studies at LSUS.

<b>LSUS - LSU IN BATON ROUGE COOPERATIVE PROGRAM</b>			
<b>Electrical &amp; Computer</b>			
<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 101	3	Physics 261, 261L, 262	7
Chemistry 121	3	Mathematics 223, 254 <sup>5</sup> , 355	10
English 105, 115	6	Computer Science 140	3
Mathematics 221, 222	8	Engineering 245	3
Science Laboratory Elective	1	Fine Arts, Humanities, Social Science Electives <sup>3</sup>	<u>12</u>
Philosophy 250	3		35
Communications 255	3		
Fine Arts, Humanities, Social Science Electives <sup>3</sup>	<u>6</u>		
	33		

<b>LSUS - LSU IN BATON ROUGE COOPERATIVE PROGRAM</b>			
<b>Biological and Agricultural, Civil, Chemical, Mechanical, &amp; Petroleum</b>			
<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 101 <sup>1</sup>	3	Physics 261, 262 <sup>5</sup>	6
Chemistry 121, 121L, 124, 124L <sup>2</sup>	8	Mathematics 223 <sup>7</sup> , 355 <sup>8</sup>	7
English 105, 115	6	Engineering 245	3
Mathematics 221, 222	8	Fine Arts, Humanities, Social Science Electives <sup>3</sup>	6
Fine Arts, Humanities, Social Science Electives <sup>3</sup>	<u>6</u>	Economics 201, 202	<u>6</u>
	31		28

<sup>1</sup>Biological and Agricultural Engineering majors should schedule BIOS 120, 120L, 222, 222L.

<sup>2</sup>Civil Engineering does not require 2 hrs of CHEM laboratory, but does require one hour of Basic Science Laboratory.

<sup>3</sup>Consult advisor for list of approved courses acceptable to LSU-BR.

<sup>4</sup>Number of hours will vary by major

<sup>5</sup>Industrial Engineering and Mechanical Engineering require PHYS 261L, 262L.

<sup>6</sup>MATH 254 plus 355 substitutes for LSU-BR MATH 2090.

<sup>7</sup>Chemical Engineering does not require MATH 330.

<sup>8</sup>Industrial Engineering requires MATH 254 plus 355 to satisfy LSU-BR MATH 2090 (4 hr) requirement; Mechanical Engineering requires LSU-BR MATH 2070, which is not offered at LSUS.