

**LSUHSC – New Orleans Cardiovascular Sonography  
and Respiratory Therapy Programs  
Prerequisite Course Work**

| <b>GRAMBLING STATE UNIVERSITY</b>  |  |
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| English Composition  | <b>Required—6 hours</b><br>____ ENGL 101—3 hours<br>____ ENGL 102—3 hours  |
| Humanities   | <b>Required—9 hours</b><br>Recommended subjects are English, Technical Writing, Advanced Composition, History, or Foreign Language<br>____ --3 hours<br>____ --3 hours<br>____ --3 hours                     |
| Psychology   | <b>Required—3 hours</b><br>____ PSYC 200   |
| Sociology  | <b>Required—3 hours</b><br>____ Any SOCI course is acceptable  |
| Art Elective   | <b>Required—3 hours</b><br>____ Recommended subjects are Music, Art Dance, or Theatre  |
| Math   | <b>Required—6 hours</b><br>____ MATH 131—Algebra—3 hours<br><br>____ MATH 132—Trigonometry—3 hours<br><b>OR</b><br>____ MATH higher than MATH 131  |
| General Chemistry  | <b>Required—8 hours</b><br>____ CHEM 111—Chem I—Lecture—3 hours<br>____ CHEM 113—Chem I—Lab—1 hour<br>____ CHEM 112—Chem II—Lecture—3 hours<br>____ CHEM 114—Chem II—Lab—1 hour                              |
| General Biology  | <b>Required—8 hours</b><br>____ BIOL 113—Biology I—Lecture--3 hours<br>____ BIOL 115—Biology I—Lab—1 hour<br><b>PLUS</b><br>____ BIOL 114--Biology II—Lecture—3 hours<br>____ BIOL 116—Biology II—Lab—1 hour |
| Human Physiology<br>(will accept anatomy & physiology as an alternative) | <b>Required—3 hours</b><br>____ BIOL 207—3 hours   |
| Science Elective   | <b>Required—3 hours</b><br>____ Recommended courses: BIOL or Chemistry course  |
| General Physics  | <b>Required—4 hours</b><br>____ PHYS 109--Lecture--3 hours<br>____ PHYS 111—Lab—1 hour   |
| Microbiology   | <b>Required—4 hours</b><br>____ BIOL 304—Lecture & Lab—4 hours   |
| <b>Total Credits:</b>  | <b>60 HOURS</b>  |