# DEGREE PLAN

**BACHELOR OF SCIENCE IN BIOENGINEERING (MEDICAL IMAGING EMPHASIS)**

The University of Texas at Arlington

<table>
<thead>
<tr>
<th>Student Name:</th>
<th>Last, First ________________</th>
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<tr>
<td>Student ID:</td>
<td>1000______________________</td>
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<tr>
<td>Catalog:</td>
<td>2013-14</td>
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<tr>
<th>Expected Date of Graduation:</th>
<th>________________________________</th>
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<table>
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<tr>
<th>Prepared by:</th>
<th>________________________ Date</th>
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<tbody>
<tr>
<td>Approved by:</td>
<td>________________________ Date</td>
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<td>________________________ Date</td>
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## ENGLISH

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours Earned</th>
<th>To Be Earned</th>
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<tbody>
<tr>
<td>ENGL 1301</td>
<td>Critical Thinking, Reading, Writing I</td>
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<tr>
<td>ENGL 1302</td>
<td>Critical Thinking, Reading, Writing II</td>
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<tr>
<td>Literature</td>
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<td>3</td>
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<tr>
<td><strong>Total Hrs.</strong></td>
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## HISTORY

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Hours Earned</th>
<th>To Be Earned</th>
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<tbody>
<tr>
<td>HIST 1311</td>
<td>US History I</td>
<td>3</td>
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<tr>
<td>HIST 1312</td>
<td>US History II</td>
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## POLITICAL SCIENCE

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<th>Hours Earned</th>
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<tbody>
<tr>
<td>POLS 2311</td>
<td>US Gov't</td>
<td>3</td>
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<tr>
<td>POLS 2312</td>
<td>State &amp; Local Gov't</td>
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## SCIENCE

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<tr>
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<tbody>
<tr>
<td>CHEM 1441</td>
<td>Chemistry I</td>
<td>4</td>
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<td>CHEM 1442</td>
<td>Chemistry II</td>
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<td>CHEM 2321</td>
<td>Organic Chem I</td>
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<td>CHEM 2181</td>
<td>Organic Lab</td>
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<tr>
<td>CHEM 4311</td>
<td>Biochemistry</td>
<td>3</td>
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<tr>
<td>BIOL 1441</td>
<td>Cell &amp; Molecular</td>
<td>4</td>
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<tr>
<td>BIOL 1442</td>
<td>Struc &amp; Func of Org</td>
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<td>BIOL 3301</td>
<td>Cell Physiology</td>
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<td>PHYS 1443</td>
<td>Physics I</td>
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<td>PHYS 1444</td>
<td>Physics II</td>
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## Social and CULT. STUDIES

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<th>Hours Earned</th>
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<tbody>
<tr>
<td>PHIL 3319</td>
<td>Biomedical Ethics</td>
<td>3</td>
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<td><strong>Total Hrs.</strong></td>
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## FINE ARTS

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<thead>
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<th>Course Title</th>
<th>Hours Earned</th>
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<tr>
<td>COMS 2302</td>
<td>Tech Writing</td>
<td>3</td>
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## LIBERAL ARTS

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<th>Hours Earned</th>
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## MATHEMATICS

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<tbody>
<tr>
<td>MATH 1426</td>
<td>(Cal I)</td>
<td>4</td>
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<td>MATH 2425</td>
<td>(Cal II)</td>
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<td>MATH 2326</td>
<td>(Cal III)</td>
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<td>MATH 3319</td>
<td>(Diff Eq &amp; Linear Alg)</td>
<td>3</td>
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<td>MATH 3316/IE 3301</td>
<td>(Statistics)</td>
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## ELECTRICAL ENGINEERING

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<tbody>
<tr>
<td>CSE 1311</td>
<td>Intro Prog for Eng &amp; Sci</td>
<td>3</td>
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<tr>
<td>EE 2320</td>
<td>Circuit Analysis</td>
<td>3</td>
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<td>EE 3317</td>
<td>Linear Systems</td>
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<td><strong>Total Hrs.</strong></td>
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## MAJOR: BIOENGINEERING (Medical Imaging)

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
<th>Hours Earned</th>
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<tbody>
<tr>
<td>BE 1104</td>
<td>Intro to Engineering</td>
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<td>BE 1225</td>
<td>Intro to Bioengineering</td>
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<td>BE 3320</td>
<td>Measurement Lab</td>
<td>3</td>
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<td>BE 3344</td>
<td>Bioinstrumentation</td>
<td>3</td>
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<td>BE 3352</td>
<td>Digital process of Biological Signals</td>
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<td>BE 3380</td>
<td>Human Physiology in BE</td>
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<td>BE 3346</td>
<td>Medical Imaging</td>
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<td>BE 4345</td>
<td>Bioimaging Lab</td>
<td>3</td>
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<tr>
<td>BE 4350</td>
<td>Senior Design Project I</td>
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<td>BE 4355</td>
<td>Senior Design Project II</td>
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<td>BE 4382</td>
<td>Laboratory Principles</td>
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## TOTAL HOURS FOR DEGREE

120

Notes: T: Transfer