# Baylor Bound Major Academic Planner

## Bachelor of Arts in Physics

### A Suggested Sequence of Required Courses for a MIDLAND transfer student (2014-2015 Catalog)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td><strong>Midland BU</strong></td>
<td><strong>Title</strong></td>
<td><strong>Hours</strong></td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Thinking and Writing</td>
<td>3</td>
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<tr>
<td>MATH 2413</td>
<td>Calculus</td>
<td>3</td>
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<tr>
<td>See reverse</td>
<td>Foreign Language</td>
<td>4</td>
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<td>REL 1310</td>
<td>Christian Scriptures</td>
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<tr>
<td>PHY 1420</td>
<td>General Physics I</td>
<td>4</td>
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<tr>
<th>Sophomore Year</th>
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<td><strong>Hours</strong></td>
</tr>
<tr>
<td>CHA 1088</td>
<td>Chapel</td>
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<td>Foreign Language</td>
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<tr>
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<td>Social Science</td>
<td>3</td>
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<tr>
<td>MTH 2311</td>
<td>Linear Algebra</td>
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<td>MTH 2321</td>
<td>Calculus III</td>
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<td>PHY 2135</td>
<td>Basic Electronics Lab</td>
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<td>PHY 2350</td>
<td>Modern Physics</td>
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<tr>
<th>Junior Year</th>
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<th>Spring</th>
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<tr>
<td><strong>Midland BU</strong></td>
<td><strong>Title</strong></td>
<td><strong>Hours</strong></td>
</tr>
<tr>
<td>See reverse</td>
<td>ENG 2304 or ENG 2306</td>
<td>American or World Literature</td>
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<tr>
<td>See reverse</td>
<td>Fine Arts</td>
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<tr>
<td>See reverse</td>
<td>Lifetime Fitness</td>
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<tr>
<td>MTH 3326</td>
<td>Partial Differential Equations</td>
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<td>PHY 3175</td>
<td>Intermediate Physics Lab</td>
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<td>PHY 3320</td>
<td>Intermediate Classical Mechanics</td>
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<td>PHY 3372</td>
<td>Intro to Quantum Mechanics I</td>
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<th>Senior Year</th>
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<td>History</td>
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<tr>
<td>See reverse</td>
<td>PS 2302</td>
<td>American Constitutional Development</td>
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<tr>
<td>See reverse</td>
<td>Lifetime Fitness</td>
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<tr>
<td>Advanced Elective</td>
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### Notes about major requirements:

- Choose your 6 hours of 3000-4000 level courses from these options: 3373, 4322, 4340, 4360, 4372, 4373, 4374.
- Lab Science options: BIO 1305/1105, 1306/1106; NSC 1306/1106; BIO 1401; GEO 1401, 1402, 1403, 1405, 1406, 1408.
- In order to meet the advanced hour requirement, you may need to take at least one 3000-4000 fine art or social science.
- English requirement: It is recommended that science majors take ENG 3300 during their junior year rather than ENG 1304.
- Many required courses are offered only one time each year in either the fall semester or the spring semester.
- For more information, see the Baylor Undergraduate Catalog.

Please see reverse side for important information on general requirements.
ENGLISH:
ENGL 1301     ENG 1302 Thinking and Writing
ENGL 2304     ENG 1304 Thinking, Writing & Research
ENGL 2322     ENG 2301 British Literature
ENGL 2326     ENG 2304 American Literature
ENGL 2332 OR 2333 ENG 2306 World Literature

FINE ARTS: Three courses, each from a different areas (i.e. ART, THEA, MUS, etc.):
ARTS 1301     ART 1300 Introduction to Art
ARTS 1304     ART 2303 History of Art II
CLA 3380      Classical Mythology
FCS 3313      Historical Design I
FCS 4313      Historical Design II
FAS 1306

COMM 1307     COMM 1309 Introduction to Mass Communication
MUS 1306      MUS 1220 American Popular Music
MUS 3322      History of Jazz
SPCH 1311 OR 1315 CSS 1301 Fundamentals of Public Communications
SPCH 1321     CSS 1302 Speech for Business & professional Students
SPCH 2315     CSS 1304 Argumentation, Discussion, and Debate
THEA 1206     THEA 2374 Theatre Appreciation
THEA 2374     History of Theatre I

HISTORY:
HIST 2321     HIS 1305 World History to 1500
HIST 2322     HIS 1307 World History since 1500
HIST 1301     HIS 2385 History of the U.S. to 1877
HIST 1302     HIS 2386 History of the U.S. since 1877

SOCIAL SCIENCES: Three courses, each from a different areas (i.e. ANT, SOC, PSY, etc.):
ANT 1305     Introduction to Anthropology
ANT 1301     Science, Society, and Culture
ECO 1305     Survey of Econ Princ. For Non-bus. Majors
ECO 2306     Principles of Microeconomics
ECO 2307     Principles of Macroeconomics
FAS 1303
FAS 1305

GEOG 1303     GEOG 1300 World Geography
HNR 1100
HNR 1101
HNR 3200
HNR 3204

PHIL 2303     PHI 1306 Logical Analysis
PHIL 1307     Critical Thinking
PHIL 1308     Introduction to Ethics

PHIL 1301     PHI 1321 Introduction to Philosophy
PHIL 3301     Moral Philosophy
PHIL 3310     History of Philosophy: Classical
PHIL 3312     History of Philosophy: Modern Europe
PHIL 3322     Philosophy and the Arts (for Art majors)

GOVT 2302 OR 2305 PSC 1305 American National Government
GOVT 2301 OR 2306 PSC 1306 American State & Local Government
PSYC 2301     PSC 1305 Introductory Psychology
SOCJ 1301     SOCJ 1305 Introduction to Sociology

MIDLAND COURSE | BAYLOR COURSE | BAYLOR TITLE
---|---|---

LAB SCIENCE: One courses from each area:

AREA 1:

BIOL 1403     BIO 1401 Current Issues in Human Biology
BIOL 1406     BIO 1305-1105 Modern Concepts of Bioscience
BIOL 1407     BIO 1306-1106 Modern Concepts of Bioscience, Continued

GEO 1401*     Earthquakes & other Natural Disasters
GEO 1402*     World Oceans
GEO 1403*     Geologic History
GEO 1404*     The Dynamic Earth
GEO 1406*     Earth Through Time
GEO 1401*     Earth Science

SC 1306-1106  Introduction to Neuroscience

* Credit allowed for only one of these courses.

AREA 2:

CHEM 1401     CHE 1300-1106 ** Introduction to Chemistry
CHEM 1411     CHE 1301-1106** Basic Principles of Chemistry I
CHEM 1412     CHE 1302-1102 Basic Principles of Chemistry II
CHEM 1341-1146  Introductory Organic Biochemistry
CHEM 1405**   Chemistry & Society

PHY 1404      Light, Vision and Optics
PHY 1405      General Physics for BA Students
PHY 1407      Sound and Acoustics
PHY 1420      General Physics I
PHY 1455      Descriptive Astronomy

** Credit allowed for only one of these courses.

AREA 3:

A third 4-hour lab science course from above or others in the fields of biology, chemistry, geology or physics. OR

ANT 1404     Intro to Human Evolution
GEOL 1405     GEOG 1301-1101 Exploring Environmental Issues and lab
ENV 1303-1103 Wildlife Ecology and lab

MATH:

MTH 1301     Ideas in Mathematics
MTH 1320     Pre-Calculus

MATH 2413     MTH 1321 Calculus I
STA 1380     Elementary Statistics

FORREIGN LANGUAGE: To be fulfilled with one of the following options:

A. Complete ONE Modern or Classical language through the 2320 level OR
B. Complete TWO Classical languages through the 1302 or 1402 level.

Two languages from Latin, Greek, and Hebrew may be used. (It is strongly recommended that the language requirement be started during the first year of residence work. Chemistry, Biochemistry, and Mathematics majors are required to take a modern foreign language.)

FRE 1401     FRE 1401 Elementary French I
FRE 1402     FRE 1402 Elementary French II
FRE 2310     Intermediate French I
FRE 2320     Intermediate French II

SPAN 1412     SPA 1401 Elementary Spanish I
SPAN 2311     SPA 1402 Elementary Spanish II

SPAN 2312     SPA 2310 Intermediate Spanish I
SPAN 2320     SPA 2320 Intermediate Spanish II

Taught at Baylor; no equivalent course at Midland

Note: Both GOVT 2305 and 2306 must be complete before coming to Baylor to receive credit for PSC 2302. This course may not be transferred from another school after the student has earned hours at Baylor. This substitution is not available for Political Science majors.

LIFETIME FITNESS: Four activity courses are required

(Continued)