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This advisement instrument has been developed primarily with the beginning student in mind and was designed to be used in conjunction with the Undergraduate Catalog. Faculty advisers will find it a handy reference for helping students select courses appropriate to the degree(s) being considered.

The student who has not decided on a major can use this booklet as a reference tool in choosing a major. Begin by eliminating degrees/majors that are not of interest; then compare common courses, as well as differences, in the basic requirements for the remaining degree options at Baylor University.

A student should study course descriptions in her or his areas of interest and become thoroughly acquainted with the Catalog regulations.


## COLLEGE OF ARTS AND SCIENCES DEGREES AND MAJORS

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*Interuniversity Programs
**Intrauniversity Programs
***Honors College
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I. Bachelor of Arts Degree
Area/World Studies Majors
Asian Studies
Latin American Studies
Slavic and East European Studies
Family and Consumer Sciences Majors
Child and Family Studies
Fashion Design
Fashion Merchandising
General Family and Consumer Sciences:
Option I (leading to teacher certification)
Option II
Interior Design - Accredited by Foundation for Interior
Design Education Research (FIDER)
Nutrition Sciences
Fine Arts and Communication Majors
Art:
Architecture*
Art History
Studio Art
Communications Studies:
Communication Specialist
Speech Communication
Telecommunication
English:
English
Language and Linguistics
History of English Option
Language Acquisitions and Teaching Option
Language, Culture and Communication Option
Professional Writing
Journalism:
Journalism
News Editorial Option
Public Relations Option
Music:
Academic
Applied
Theater Art
Healthcare Majors
Communication Sciences and Disorders:
Speech Pathology
Deaf Education
Dentistry*
Medicine*
Optometry*
Foreign Language Majors
Biblical and Related Languages
Classics
French
German
Greek
Latin
Russian
Spanish
History and Social Sciences Majors
Anthropology
Archaeology
Geography
History
Economics
Philosophy
Political Science
Psychology
Religion
Sociology

## Science/Mathematics Majors

Biochemistry
Biology:
General Biology
Pre-Health Care Concentration
Chemistry
Earth Science (Geology)
Environmental Studies
Forestry*
Mathematics
Physics
Other Majors
American Studies**
Computer Science:
Computer Science Concentration
Minor Field Concentration
Great Texts of the Western Tradition (GTX)***
International Studies**
Museum Studies
University Scholars**夫
II. Bachelor of Science Degree

Departmental Majors
Biochemistry
Biology:
General Biology
Pre-Health Care Concentration
Ecology Concentration
Chemistry:
American Chemical Society Certified
Concentration in Biochemistry
Concentration in a subdiscipline
Clinical Laboratory Science*
Dentistry*
Economics
Environmental Science
Environmental Studies
Forensic Science
Forestry*
Geology
Geophysics
Mathematics
Mathematics, Applied
Medicine*
Museum Studies
Neuroscience
Nutrition Sciences
Optometry*
Physics
Psychology
Statistics
III. Bachelor of Fine Arts Degree

Art:
Studio Art
Ceramic Design
Fabric Design
Graphic Design
Painting
Photography
Printmaking
Sculpture
Theater:
Design
Performance

## IV. Bachelor of Science in Aviation Sciences Degree <br> Aviation Sciences

## V. Bachelor of Science in Family and Consumer Sciences

 DegreeChild and Family Studies
Fashion Design
Fashion Merchandising
General Family and Consumer Sciences:
Option I (leading to teacher certification)
Option II
Interior Design
Nutrition Sciences

## MINORS

Minors consist of a minimum of 18 credit hours and may be added to complement a major, but are not required. Minors are interdisciplinary; therefore, they may be taken under any degree plan

| Area Studies: | Consumer Sciences |
| :--- | :--- |
| African Studies | Nutrition Sciences |
| Asian Studies | Family Studies |
| Latin American Studies | Gender Studies |
| Middle East Studies | Geology: |
| Art: | Earth Science |
| Art History | Geography |
| Studio Art | Geology |
| Biology | Great Texts of the |
| Business Administration | Western Tradition (GTX) |
| Chemistry: | History |
| Biochemistry | Journalism: |
| Chemistry | News Editorial |
| Church Music | Photojournalism |
| Classics: | Public Relations |
| Classics | Mathematics |
| Greek | Medical Humanities |
| Latin | Modern Foreign Languages: |
| Communication Sciences and | French |
| Disorders: | German |
| Communication Sciences and | Russian |
| Disorders | Spanish |
| Sign Language Interpreting | Museum Studies |
| Communication Studies: | Music |
| Broadcast Management | Philosophy |
| Corporate Communication | Physics |
| Rhetoric and | Political Science |
| Argumentation | Religion: |
| Telecommunication | Recreation Ministry |
| Computer Science | Religion |
| Criminal Justice | Religion and Politics |
| Dance | Social Work: |
| Economics | Gerontology |
| Engineering | Sociology and Anthropology: |
| English: | Anthropology |
| Creative Writing | Sociology |
| English | World Affairs |
| Linguistics | Other Minors: |
| Environmental Studies | American Studies |
| Family and Consumer Sciences: |  |
| Child and Family Studies |  |
| Fashion Merchandising |  |
| General Family and |  |
|  |  |

## BACHELOR OF ARTS

Name of Course
Required Hrs.
I. English 1302 or FAS 1302, 1304 (or 3300 for science majors),2301, plus 1 of the following: 2304 or 2306 or 3 hours of"2000" level or above GTX12
II. Religion 1310 and 1350 ..... 6
III. Human Performance ( 4 semesters) ..... 4
IV. Fine Arts ..... 6
Choose 1 course from 3 different areas:
Area 1. Art 1300, 2302, or 2303
Area 2. Family and Consumer Sciences 3313, 4313Area 3. Journalism 1303 or Telecommunications 1303NOTE: Credit not allowed for both Journalism 1303 andTelecommunications 1303
Area 4. Classics 3380
Area 5. Music 1220,3322,3323,4320
Area 6. Theater Arts 1206, 2374
Area 7. Speech 1301, 1302, 1304
Applied courses may not substitute.
V. Foreign Language.

$\qquad$ ..... 3-14
A. To be fulfilled with one of the following combinations:

1. Complete one Modern or Classical language through the 2320 level. Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, Swahili, and Thai may be used.* Placement test in Spanish, French, or German required.
2. Complete 2 Classical languages through the 1302 or 1402 level. Two languages from Latin, Greek, and Hebrew may be used. (If available, the following Biblical and Related Languages may be used: Akkadian, Aramaic, Syriac, Ugaritic.)
NOTE: It is strongly recommended that the language requirement be started during the first year of residence work.
VI. Mathematics 1301, 1304*, 1321, or Statistics 1380 ..... 3
(*MTH 1304 is intended only for students who plan to take MTH 1321.)
VII. Science (Laboratory), 3 courses, 1 from each area: ..... 12
Area 1. **Chemistry 1300-1100, 1301-1100, 13021102, 1341-1146, 1405, or Physics 1404, $1405,1407,1408$, (1422 or 1425) or 1455 ...... 4
Area 2. Biology 1401, 1305-1105 or 1306-1106, or Geology $1401,1402,1403,1405$, 1406 , or 1408, or Neuroscience 1306-1106 $\qquad$4
Area 3. A third 4-hour course from the above or others in these fields, or Environmental Studies 1301-1101 or 1303-1103 4
VIII. Social Science ..... 18
A. Political Science 2302 ..... 3
B. History 1305, 1306, 1307, 2365, 2366 (any 2) ..... 6(History 2365 and 2366 are required
for teacher certification in Texas.)
C. Three hours from each of 3 of thefollowing fields9
3. Anthropology 1305 or 3301
4. Economics 1305, 2306 or 2307
5. Geography 1300
6. Honors (honors program students only) 3100,3101, 3200, 3201
5. Philosophy 1306, 1307, 1308, 1321, 3301, 3310,
3312 (3322 for visual arts majors)
6. Political Science 1305, 1306
7. Psychology 1305
8. Sociology 1305
IX. Chapel (2 semesters).0
NOTE: *If, after some days of class attendance at the level of his/her choice, the student finds that he/she has made the wrong decision, he/she will be allowed to transfer to a different level, provided the transfer is made during the first two weeks of the semester. Students in Spanish, French, or German will have to petition their departments to change levels.
NOTE: **Credit will be allowed for only one of the following courses in each of these departments: A) Chemistry 1405 or 1301-1100 or 1300-1100 B) Physics 1422 or 1425.

BACHELOR OF SCIENCE
Name of Course Required Hrs.I. English 1302, 1304 or 3300, 2301, plus 1 ofthe following: 2304 or 2306 or 3 hours of "2000" levelor above GTX.12
II. Religion 1310 and 1350 ..... 6
III. Human Performance (4 semesters) ..... 4
IV. Fine Arts ..... 0
(not required for Bachelor of Science degree)
V. Foreign Language (Some majors have specific languagerequirements; see department listings.)3-14
VI. Mathematics and Science. ..... 34
A. Mathematics ..... 6MTH 1321 and 3 additional semester hours ofMathematics or Statistics courses for whichcalculus (MTH 1321) serves as a prerequisite.
B. Laboratory Science8
Eight semester hours of laboratory sciencecourses with appropriate labs.
C. Additional Mathematics and Science. ..... 20
Twenty semester hours of additional coursesfrom Biology, Chemistry, EnvironmentalStudies, Geology, Physics, Psychology,Mathematics, Neuroscience, and Statistics.
VII. Social Science ..... 9
A. Political Science 2302 ..... 3
B. History and/or Social Science ..... 6
VIII. Chapel (2 semesters) ..... 0
NOTE: See departmental sections in Undergraduate Catalog for other specific requirements and major requirements. The requirements for advanced credit, residence, language, a specified comprehensive examination, Chapel, minimum grade point average, maximum credit, and human performance are the same as for the Bachelor of Arts degree. Additional information about requirements is listed under the "General Regulations for the College of Arts and Sciences" and "General University Regulations."


## CLINICAL LABORATORY SCIENCE

Name of CourseRequired Hrs.Basic Requirements
I. English 1302, 1304 or 3300, 2301, plus 1 ofthe following: 2304 or 2306 or 3 hours of "2000" levelor above GTX12
II. Religion 1310 and 1350 ..... 6
III. Human Performance (4 semesters) ..... 4
IV. Fine Arts ..... 0
(not required for Bachelor of Science degree)
V. Foreign Language (Some majors have specific language requirements; see department listings.) ..... 3-14
VI. Mathematics and Science ..... 34
A. Mathematics ..... 6
MTH 1321 and 3 additional semester hours ofMathematics or Statistics courses for whichcalculus (MTH 1321) serves as a prerequisite.
B. Laboratory Science ..... 8
Eight semester hours of laboratory sciencecourses with appropriate labs.
C. Additional Mathematics and Science ..... 20
Twenty semester hours of additional coursesfrom Biology, Chemistry, EnvironmentalStudies, Geology, Physics, Psychology,Mathematics, Neuroscience, and Statistics.
VII. Social Science9
A. Political Science 2302 ..... 3
B. History and/or Social Science ..... 6
VIII. Chapel (2 semesters) ..... 0
Required from other areas:
I. Biology 1305-1105, 1306-1106, 2306, 2106, 4301, 4306, 4106, 4401, 4001 ..... 23
II. Chemistry 1301, 1302, 1316, 3331, 3332, 3238 . ..... 17
III. Mathematics 1321 and Statistics 2381 ..... 6
IV. Physics 1405 ..... 4
V. ISY 1305, Introduction to Information Technology ..... 3
VI. Electives to complete a minimum of 94 semester hours

NOTE: This program is not designed for students seeking entrance into medical school.

The residence requirement of a minimum of 60 semester hours, including the last 30 hours of requirements, must be completed in the College of Arts and Sciences.

This program requires the complete course in clinical laboratory science at any school of clinical laboratory science accredited by the National Accrediting Agency for Clinical Laboratory Sciences, on which the grade average must be " C " or better.

The clinical laboratory scientist serves the health care team by providing laboratory tests in areas such as microbiology, immunology, and clinical chemistry. Graduates of Baylor University's clinical laboratory science program earn a bachelor of science degree in clinical laboratory science. Students attend classes on the Waco campus for three years and take the senior year of clinical training at any university or hospital school with an approved/accredited curriculum. Baylor University is affiliated with Methodist Hospital, School of Clinical Laboratory Science, Houston, Texas; Scott and White Memorial Hospital, School of Clinical Laboratory Science, Temple, Texas; Hillcrest Baptist Medical Center School of Clinical Laboratory Science, Waco, Texas; and M.D. Anderson School of Clinical Laboratory Science, Houston, Texas.

## BACHELOR OF FINE ARTS STUDIO ART (7 OPTIONS)




# BACHELOR OF FINE ARTS THEATER ARTS 



## BACHELOR OF SCIENCE IN AVIATION SCIENCES

The Bachelor of Science in Aviation Sciences (BSAS) curriculum is designed to prepare graduates for airline pilot and scientist pilot opportunities. The curriculum combines courses at Baylor and Texas State Technical College (TSTC).Name of CourseRequired Hrs
I. Basic Requirements ..... 40-45
A. English 1302, 2301, 3300, plus 1 from the following: 2306 or 3 hours of "2000" level or above GTX ..... 12
B. Speech 1301 or 1302 ..... 3
C. Social Science/History Psychology 1305, History 1306 and 1307 ..... 9
D. Political Science 2302 ..... 3
E. Religion 1310 and 1350 ..... 6
E. Foreign Language (through second level) ..... 3-8
G. Human Performance (activity courses) ..... 4
H. Chapel (2 semesters) .....  0
II. Other Requirements ..... 18
A. Chemistry 1301 ..... 3
B. Physics 1422 (or 1425) and 2435 ..... 8
C. Computer Science 1430, 3303 ..... 7
II. Aviation Sciences ..... 39
AVS 1300 Introduction to AviationAVS 1311 Math for Aviation Sciences IAVS 1312 Math for Aviation Sciences II
AVS 3310 Aviation Law
AVS 3315 Advanced Aviation Meteorology
AVS 3360 Intro. Atmospheric Chemistry
AVS 4305 Special Topics in Aviation Science
AVS 4310 Aviation Management
AVS 4315 Advanced Aerodynamics
AVS 4320 Air Pollution Sampling \& Testing
AVS 4330 Aviation Fuels
AVS 4340 Flight Performance Testing
AVS 4360 Aircraft Systems \& Safety
IV. Aircraft Pilot Training (AIRP) at TSTC ..... 45AIRP 1215, 1255, 1301, 1307, 1341, 1343, 1345, 1417,1451, 2239, 2242 or 2251, 2250, 2331, 2333, 2337, 2355


## BACHELOR OF SCIENCE IN FAMILY AND CONSUMER SCIENCES



NOTE: These requirements are subject to change pending changes in state education requirements for teacher certification. See the department for advisement.
IV. Minors

Minors are available in general family and consumer sciences, nutrition sciences, child and family studies, and fashion merchandising.

NOTE: Please see specific requirements for majors in the Undergraduate Catalog.

## ACADEMIC FOUNDATIONS

 FOR PREPROFESSIONAL PROGRAMSPremedical/Predental students at Baylor University are encouraged to pursue any course of study (major) which interests them, which allows them to demonstrate their academic proficiency and which provides them a viable alternative career choice. The first two years of the program are especially flexible, allowing for a diverse sampling of courses.

While taking courses which meet either basic university degree requirements or professional school admission requirements, students may assess their interests and aptitudes in a variety of areas. All students are urged to seek counsel from the Premedical/Predental Office [Baylor University, One Bear Place \#97341, Waco, TX 767987341; phone (254) 710-3659] at their earliest convenience, especially with respect to course selections and/or substitutions during the first two years of preprofessional study.

Although any major and any degree are acceptable in the program, most students pursue either the Bachelor of Arts or the Bachelor of Science degree. The only significant differences between these approaches are: 1) the requirement of 2 semesters of history for the BA degree vs. 2 semesters of history and/or social science for the BS degree; 2) the requirement of 3 different social sciences and 3 different fine arts courses in the BA degree vs. a comparable number of unrestricted science/math/elective courses in the BS degree.

## MEDICAL/DENTAL PREPROFESSIONAL PROGRAM REQUIREMENTS

| Name of Course | BA Hours | BS Hours | MED Hours | DENT Hours |
| :---: | :---: | :---: | :---: | :---: |
| 1. Chapel (2 semesters) | 0 | 0 | - | - |
| 2. **English 1302, 1304 or 3300, 2301, and 2304 or 2306 | 12 | 12 | 6 | 6 |
| 3. Fine Arts (3 courses) (see listings under BA degree) | 6 | 0 | - | - |
| 4. Foreign Language(s) |  |  |  |  |
| 1-4 semesters, based on number of high school units | 3-16 | 3-16 | - | - |
| 5. Human Performance | 4 | 4 | - | - |
| 6. Religion 1310 \& 1350 | 6 | 6 | - | - |
| 7. *Mathematics | 3 | 3 | 3 | 0 |
| 8. **Science | 39-42 | 39-42 | 39-42 | 39-42 |
| a. Biology 1305-1105 \& 1306-1106, plus any 2 additional courses, usually selected from |  |  |  |  |
| 2306-2106, 3300, 3422, 3429, 4211, 4306-4106, 4307-4107, 4301, 4401, |  |  |  |  |
| 4424, 4426 | 14-16 | 14-16 | 14-16 | 14-16 |
| b. Chemistry 1301, 1302, 1316, 3331, 3332, 3238 \& 4341***(4321-4127, 4322- |  |  |  |  |
| recommended electives | 17-20 | 17-20 | 17-20 | 17-20 |
| c. Physics 1425 (or 1422) \& |  |  |  |  |
| 2435 or 1408 \& 1409 | 8 | 8 | 8 | 8 |
| 9. Social Science | 18 | 9 | - | - |
| a. Political Science 2302 | 3 | 3 | - | - |
| b. History 1305, 1306, 1307, 2365, 2366 (any 2) | 6 | 0-6 | - | - |
| c. Three courses chosen from |  |  |  |  |
| 3 different fields (see listing under $B A$ degree) | 9 | 0-6 | - | - |

NOTE: *Calculus or statistics is required for medical school. Predent students should take the math course required by their major or degree.
NOTE: **Those courses in the Catalog of Arts and Sciences which are recommended as providing strong preprofessional preparation and as meeting the minimum admission requirements of most dental and medical schools are listed above (recommended electives in parentheses).

NOTE: ***Biochemistry is required by some dental and medical schools.
Students interested in the related preprofessional programs of preoptometry, prepodiatry, preveterinary medicine, and physician assistant should seek counsel from the previously mentioned Premedical/Predental Office.

A 3-year cooperative Bachelor of Arts or Bachelor of Science degree is available to mature predental, premedical, and preoptometry students having exceptional ability or financial need. In order to qualify for the cooperative degree, the student must complete all basic requirements for the respective degree except for the major, 94 semester hours of total credit at the undergraduate institution, all the preprofessional requirements for admission to the professional school, and 30 semester hours of basic science courses with a grade of "C" or better at the professional school. Upon proper certification that all these requirements have been met, Baylor University will grant the student a Bachelor of Arts or Bachelor of Science degree in Dentistry, Medicine, or Optometry following a formal request by the student.

## PREPHYSICAL THERAPY REQUIREMENTS

The College of Arts and Sciences offers a program of undergraduate instruction designed to prepare students for the professional curricula in Physical Therapy that are offered in accredited programs at certain other universities. As the student nears completion of approximately 90 semester hours in prerequisite courses at Baylor University, he or she may apply for admission into a degree-granting program in Physical Therapy. Upon successful completion of from 24-36 months of study at the professional school, the student will receive a Physical Therapy Degree from that university. Alternatively, if the student wishes to earn a degree at Baylor University, he or she should incorporate Physical Therapy prerequisite courses into that degree program. A student earning a bachelor's degree at Baylor University may enter either an entry-level master's or doctorate program in Physical Therapy.

The following course list has been assembled from published requirements for entry into master's degree physical therapy programs in Texas. It is the responsibility of the student to be certain that course selection fulfills the requirements of the Physlcal Therapy school(s) to which the student plans to apply. The student should correspond with each school on a regular basis (at least annually). See http://www3.baylor.edu/~Mark_Taylor/PTOTpage.htm
Name of CourseRequired Hrs.
I. *Biology 1305-1105,1306-1106, and 4-8 hoursof additional courses selected from 2401,2402, 3429, 3422.12-16
II. *Chemistry CHE 1301, 1302, 1316 (including lab) ..... 8
III. Physics 1408 and 1409, 1425 (or 1422) and 2435 ..... 8
IV. *Mathematics College Algebra (not offered at Baylor) or 1304 (Pre-calculus) or beyond ..... 3
V. Statistics PSY 2402 or STA 2381 or SOC 3402. ..... 3 or 6
VI. *Psychology 1305 and other courses ..... 3-9
VII. *Sociology 1305 or Philosophy 1321 .....  3
VIII. *English 1302, 1304 or 3300 ..... 9
IX. Speech CSS 1301 or 1302. ..... 3
X. Electives ..... 0-21(Most often from Anthropology, Economics, English, Fine Arts,Speech, Foreign Lang., Geography, History, Philosophy,Political Science, Psychology, Sociology, etc.)
NOTE: Asterisks indicate that the specific course(s) selected depend on requirements of the specific Physical Therapy program which the student wishes to attend. Consult with the Physical Therapy adviser (Dr. Mark Taylor, Department of Biology, 710-2123) when making course selections.

## PREDENTAL HYGIENE REQUIREMENTS

Name of Course ..... Required Hrs.
I. *Biology (2 courses, each with lab) ..... 8
II. *Chemistry (2 courses, each with lab) ..... 8
III. English 1302, 1304, 2301 and 2304 or 2306 ..... 12
IV. Political Science ..... 6
V. American History ..... 6
VI. Mathematics (1 course in college mathematics, college algebra, trigonometry, calculus, or statistics) ..... 3
VII. Introductory Psychology ..... 3
VIII. Introductory Sociology ..... 3
IX. Speech ..... 3
X. Nutrition ..... 3
XI. **Electives. ..... 5
Total ..... 60

NOTE: *Basic courses required for science majors will meet these requirements.
NOTE: **It is strongly recommended that additional work in English, history, government, and other social sciences be taken.

The requirements above are taken from the Caruth School of Dental Hygiene of the Baylor College of Dentistry Catalog.

A student should follow the catalog requirements of the particular school he/she plans to attend. Students are urged to seek counsel from the Premedical/Predental Office [Baylor University, One Bear Place \#97341, Waco, TX 76798-7341, phone (254) 710-3659] at their earliest convenience, especially with respect to course selection and/or substitutions.

NOTE: The following courses will NOT count toward electives for Caruth School of Dental Hygiene: Band, Choir, First Aid, Histology Human Anatomy, Microbiology, Nutrition, Personal and Community Health, Pharmacology, Physiology, or Speech Pathology and Therapy.


The College of Arts and Sciences offers a program of courses designed to prepare students for the professional physician assistant curriculum offered by professional schools.

Physician assistants (PAs) practice medicine with supervision by licensed physicians. PAs are qualified to take histories, order and administer tests, make diagnoses, determine treatments, assist in surgery, and set fractures. A physician assistant is educated to provide services that would otherwise be offered by a physician. In many states PAs write prescriptions. They work in virtually all health care settings wherever physicians or health care organizations employ them.

The 24- to 27-month professional school curriculum leads to either a baccalaureate or a master's degree, depending upon the school. For the baccalaureate programs, a minimum of 60 semester hours of college or university work is required for admission; whereas, the master's level entry programs require a baccalaureate degree. Both require a core of courses, including:
Name of Course ..... Required Hrs.
I. *Biology, including laboratory ..... 8-12
II. *Chemistry ..... 8-12
III. Mathematics (College Algebra minimum) ..... 0-6
IV. English (Composition and Lit.) ..... 6-9
V. History .....  6
VI. Political Science ..... 0-6
VII. Speech or Technical Writing ..... 0-3
VIII. Behavioral or Social Science ..... 6-9
IX. **Others
Recommended courses for prephysician assistant:
Biology: 1305-1105, 1306-1106, 2306/4301, 3422, 3429, 4401Chemistry: 1301, 1302, 1316; 3331English: 1302, 1304 or 3300, and 2301, 2304 or 2306
History: 2365 and 2366
Mathematics: 1304 or 1321 (College algebra not offered at Baylor.)
Political Science: 1306 and 2302
Psychology: 1305, 3321, 3341, 4302, 4355
Sociology: 1305 and/or Anthropology: 1305
Speech 1302 (or 1301)

NOTE: *All sciences courses must be for science majors.
NOTE: **A student should follow the catalog requirements of the particular school he/she plans to attend. Students are urged to seek counsel from the Premedical/Predental Office [Baylor University, One Bear Place \#97341, Waco, TX 76798-7341, phone (254) 710-3659] at their earliest convenience, especially with respect to course selection and/or substitutions.

## PREPODIATRY

The College of arts and Sciences offers a program of courses designed to prepare students for the professional curriculum in podiatry offered by accredited schools.

## Podiatry Preprofessional Program

Podiatric medicine is a branch of the medical sciences concerned with the diagnosis and treatment of conditions affecting the human foot, ankle (in the vast majority of states), and their governing and related structures, including the local manifestations of systemic conditions such as diabetes and heart disease. A doctor of podiatric medicine (DPM) specializes in the prevention, diagnosis, and treatment of foot disorders, diseases, and injuries. A DPM makes independent judgments, utilizes $x$-rays and laboratory tests for diagnostic purposes, prescribes medications, orders physical therapy, sets fractures, and performs surgery. The DPM works closely with other health professionals to treat and control disease. A DPM may have a private or group practice; serve on staffs of hospitals, long-tern care facilities, the Department of Veteran Affairs, and municipal health districts; hold faculty positions in schools of medicine or nursing; and serve as commissioned

## \{continued from preceeding page\}

officers in the Armed Forces and US Public Health Service. Board certification in podiatric orthopedics, podiatric surgery, and primary podiatric medicine currently is available.

Admission requirements are a bachelor's degree (or a minimum of ninety semester hours), satisfactory (grade C or better) completion of the following preprofessional course work, an acceptable Medical College Admission Test (MCAT) or, in some cases, Graduate Record Exam (GRE) score, a preprofessional evaluation, and a professional school interview.

The student should determine any specific course requirements and recommendations of the professional schools where application is to be made.

Name of Course $\quad$ Required Hrs.
Biology...
Biology . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 8
General Inorganic Chemistry . . . . . . . . . . . . . . . . . . . . . . . . . . . 8
Organic Chemistry . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 8
Physics . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 8
English. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 6
*Science courses must include a laboratory and count toward that science major.
Recommended courses for Prepodiatry:
BIO 1305-1405, 1306-1106 (BIO 3422, 3429)
CHE 1301, 1302, and 1316: CHE 3331, 3332, and $3238(4341,4342)$
PHY 1408, 1409 or PHY 1425, 2435 (Prerequisites MTH 1321, 1322)
ENG 1302 and 1304 or 3300

## PRELAW REQUIREMENTS

Law schools do not require a list of course prerequisites within a specified major or degree. The general requirements for acceptance to law school are a high GPA and a competitive score on the LSAT, which may vary from school to school.

## BACHELOR OF BUSINESS ADMINISTRATION

```
Hankamer School of Business Majors
    Accounting
    Business - Broadcasting
    Business - Journalism
    Economics
    Entrepreneurship
    Finance
    Financial Services & Planning
    Human Resource Management
    Information Systems
    International Business
    Management
    Marketing
    Operations Management
    Professional Selling
    Public Administration
    Real Estate
    Risk Management and Insurance
    Sports Sponsorship and Sales
    Business for Secondary Education (with teacher certification)
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## Prebusiness Curriculum

The Hankamer School of Business is an upper-division, professional business program which is built on a strong foundation of prebusiness courses plus a professional business core. The student is advised in Academic Advisement until he/she completes 30 hours. After 30 hours are completed, the student is advised in the Undergraduate Programs Office of the Hankamer School of Business.

## SUMMARY OF COURSES REQUIRED FOR THE BACHELOR OF BUSINESS ADMINISTRATION

Name of Course Required Hrs.
I. Written and Oral CommunicationA. English 1302 and 13046
B. Oral Communication: Choose one from MKT 3310, BUS 3303, or CSS 1302 ..... 3
C. Complete one of the following options: ..... 9-11

1. Option I: 1 Modern Foreign Language through the 3 rdlevel, either 2310 or 2312 (3-11 hrs.)
2. Option II: Complete 3 courses, 1 from 3 different groups
a. BUS 3345
b. CSS 3304, 3305, 3306
c. ENG $3300,3309,4309$
d. JOU 3372
e. or any Modern Foreign Language
II. Social Sciences
A. Economics 1301 or HIS 1307............................................. 3
B. Economics 2306 and 2307 ..... 6
C. Political Science 2302 ..... 3
D. One additional course from anthropology, Geography 1300, history, Journalism 1303, political science, psychology, or sociology ..... 3
III. Humanities
A. Religion 1310 and 1350 ..... 6
B. English 2301, foreign literature, philosophy, honors, art, music, theater, GTX 2301, or GTX 2302 ..... 5
IV. Mathematics and Natural Sciences
A. MTH 1308 and/or MTH 1309 or 1321 ..... 3-6
(*3-6 hours depending on SAT/ACT math score.)
B. QBA 2302 or MTH 1322 ..... 3
C. QBA 2305 or STA 1380 ..... 3
D. One lab science ..... 4
V. Personal Development
A. HED 1145 . ..... 1
B. Human Performance Activity course or Leadership Development ..... 1
C. Chapel (2 semesters) ..... 0
VI. Professional Business Core
A. BUS 1301 ..... 3
B. ACC 2303 and 2304 ..... 6
C. BLAW 3305 ..... 3
D. BUS 3315 ..... 3
E. BUS 4385 ..... 3
F. FIN 3310 ..... 3
G. ISY 1305 or ISY 3325 ..... 3
H. ISY 3305 ..... 3
I. MGT 3305 AND 3325 ..... 6
J. MKT 3305 ..... 3
VII. Major (minimum of 12 hours) ..... 12
VIII. Business Electives (upper level) ..... 6
IX. Free Electives (Arts and Sciences or upper level business) .....  9(Other elective hours could be required.)

NOTE: *Courses in BOLD also are considered business core courses.


## BACHELOR OF SCIENCE IN EDUCATION

The School of Education offers teacher certification programs in the following areas:

- Early Childhood-Grade 4
- Grades 4-8 with majors in English Language Arts and Reading, Mathematics, Science, and Social Studies
- Grades 8-12 with majors in Computer Science, English Language Arts and Reading, Family and Consumer Science, Life Science, Mathematics, Physical Science, and Social Studies
- All Level Programs with majors in Art, Foreign Language, Music, Physical Education and Special Education
- Supplemental Certificates in English as a Second Language and Gifted and Talented

The Health, Human Performance, and Recreation Division offers the following non-certification majors through the School of Education:

Athletic Training
Community Health
General Studies in HHPR
Health/Fitness Studies in HHPR
Health Science Studies in HHPR with two options:
Prephysical Therapy Option
PreMedical/Predental Option
Recreation and Leisure Studies with two tracks:
Church Recreation Track
Outdoor Recreation Track
Basic requirements for the certification and HHPR programs are varied according to the major chosen from above. Advising for any of these programs is required. At the time of advising a student is given a four-year planner which outlines the entire program. Please contact the Office of Advisement and Certification for assistance with advising. The office is located in 103 or 107 Burleson and the telephone number is (254) 710-3167.


## BACHELOR OF SCIENCE PROGRAMS IN ENGINEERING

Baylor's B.S. programs in engineering are designed to prepare graduates for professional employment in engineering or related fields or for graduate study. Accredited programs are offered in Electrical and Computer Engineering (BSECE), Mechanical Engineering (BSME), and Engineering (BSE). In the BSE program, students develop their own concentration area within or outside of engineering. The Catalog gives the specific requirements for each major.

Engineering students admitted to the Honors Program or the Baylor Interdisciplinary Core may complete the corresponding Honors or B.I.C. engineering track in each of these three majors, which normally requires only four additional hours.Name of CourseRequired Hrs.
Minimum Requirements ..... 136
I. Humanities and Social Sciences ..... 18-25
A. Great Texts 2301 and 2302 ..... 6
B. Religion 1310 and 1350 ..... 6
C. Foreign Language ..... 3-10
Second level proficiency (at least 1302, 1402 or 1412)
D. English Literature (ENG 2301) or Political Science (PSC 2302) .....  3
E. Chapel (2 semesters) ..... 0
II. Mathematics and Basic Sciences ..... 32
A. Chemistry 1301 ..... 3
B. Mathematics 1321, 1322, 2311, 2321, 3325, STA 3381 ..... 18
C. Physics 1422 and 2435 ..... 8
D. Additional Mathematics and Basic Science (varies with major) ..... 3
III. Other Requirements ..... 19
A. Computer Science 1430 ..... 4
B. Writing, English 1302 and 3300 ..... 6
C. Economics 3308 ..... 3
D. Ethics, Religion 3390, 3392, 4393, 4395 or Business 3350 or EGR 3305 ..... 3
E. Human Performance (3 activity courses) ..... 3
V. Major ..... 67
A. Electrical and Computer Engineering1. Engineering Core (8 required EGR courses)25
2. Engineering Specialization (8 required EGR courses) ..... 27
3. Engineering Electives (4 EGR courses). ..... 12
4. Computer Science 1336 ..... 3
B. Mechanical Engineering

1. Engineering Core (9 required EGR courses) ..... 28
2. Engineering Specialization (10 required Engrg. courses) ..... 30
3. Engineering Elective (3 EGR courses) ..... 9
C. Engineering
4. Engineering Core (8 required EGR courses) ..... 25
5. Engineering Specialization (8-9 EGR courses) ..... 26-27
6. Approved Concentration Electives (5-6 courses)15-16


## BACHELOR OF SCIENCE IN COMPUTER SCIENCE

The Bachelor of Science in Computer Science (BSCS) degree is designed for students who wish to pursue an education with a greater concentration in upper-level computer science topics and a solid foundation in mathematics and the sciences. The BSCS program follows Computer Science Accreditation Board (CSAB) guidelines and is accredited by the Computer Science Accreditation Commission. Graduates are prepared to pursue careers in research, development, and other computing and computing-related fields. Advanced degrees in computer science are recommended for those pursuing a research career.

The Department of Computer Science offers a BSCS degree (see requirements below) and a Bachelor of Arts (BA) degree with a major in Computer Science. The requirements for the latter are presented in the College of Arts and Sciences section of the Undergraduate Catalog. Another option is the Bachelor of Science in Education (BSEd) for teacher certification in computer science; see the School of Education section of the Undergraduate Catalog.

Name of Course.
Required Hrs.
Minimum 124 semester hours including the following:
I. Humanities and Social Science ...................................................33-40
A. ENG 1302 and 3300 .............................................................. 6
B. One from each group............................................................ 9

1. GTX 3343, GTX 4341
2. ENG 2301, 2304 or 2306
3. PSC 2302 or an additional GTX course
C. REL 1310 and 1350 ... 6
D. Foreign Language ............................................................. 3-10

Second level proficiency (at least 1302, 1402 or 1403) must
be achieved

1. Complete one course to reach second level proficiency (1302, $1402,1403,2310$ or 2320).
2. Complete two courses to reach second level proficiency (beginning with 1301 or 1401).
3. Complete two courses: SPA 1504 and 2504.
E. History and/or Social Science ................................................ 6
F. CSS 3308............................................................................. 3
II. Computer Science .......................................................................... 56
A. CSI 1430,1440,2334,2350, 3334, 3336, 3344, 3335, 3471,

3372, 3439, 4321, 4337, 43C9, 4330.................................... 49
B. One of CSI 3101 or 4301....................................................1-3
C. CSI 3000 or 4000 level elective (see note).............................. 6
D. A grade of "C" or better in all but four hours of the computer science hours counted toward the major.
III. Mathematics
A. MTH 1321, 1322 ................................................................... 6
B. STA 3381 .............................................................................. 3
C. One mathematics course from 2311 or 2321 .......................... 3
IV. Sciences....................................................................................
A. One group from the following natural or physical sciences:

1. BIO 1305-1105 and 1306-1106
2. CHE 1301 and 1302
3. GEO 1405 and 1406
4. PHY 1408 and 1409 or 1425 and 2435
B. Six to eight additional hours of science from the courses above or from courses which have one or more of the above as prerequisites.
V. Other Requirements $\qquad$
A. Human Performance, two activity courses ...... 2
(Waived for students who have reached age 25 before graduation.
A maximum of four activity courses may be counted on a degree program.)
B. Chapel - two semesters $\qquad$
(Not required of students who have reached age 25 before matriculation)
VI. Minor
A. Optional may elect one or more minors. See specific requirements in departmental sections of the Undergraduate Catalog.
B. No more than three hours from the major may be applied to the minor.
VII. Advanced work ("3000" or "4000" numbered courses) minimum.36
VIII. Maximum credit - No more than 10 hours of applied music and/or ensemble.

NOTE: The following courses are not applicable to the major in computer science or as degree electives without written permission from the Computer Science Department Chair: CSI 4320; ISY 1305, 3150, 3301 and 3325. ENG 1304 will not substitute for ENG 3300.

## BACHELOR OF SCIENCE IN INFORMATICS

The Bachelor of Science degree in Informatics (BSI) with a major in Bioinformatics is a multidisciplinary program offered by the Department of Computer Science in conjunction with the Department of Biology. The program's strength is the foundation it provides in both disciplines. Graduates can pursue careers in either computer science, biology, or bioinformatics, a field that combines the two. The curriculum includes courses in biology, computer science, chemistry, and mathematics, as well as the humanities and social sciences. It is an excellent choice for students planning to enter one of the medical professions.

## B.S.I. Degree Requirements Bioinformatics Major - Proposed

 Minimum 123 semester hours to include the following:
## Name of Course

 Required Hrs.Minimum 123 semester hours to include the following:
I. Humanities and Social Science30-38
A. ENG 1302 and 3300 .....  6
B. GTX 2301 and 2302 .....  6
C. REL 1310 and 1350 .....  6
D. Foreign Language (one language through 2310 or equivalent) ..... 3-11
E. History and/or Social Science .....  6
F. ENG 2301 or PSC 2302 .....  3
II. Computer Science and Biology. ..... 53
A. CSI 1430, 1440, 2350, 2334, 3334, 3335, 3336, 3344,3471 , (3372 or 4337) ..... 33
B. BIO 1305-1105, 1306-1106, 2306-2106, 4306-4106 ..... 16
C. Four hours of Biology from the following courses: BIO 3330, 3422, 4100, 4107, 4108, 4307, 4308, 4341, 4401 .....  4
D. A grade of "C" or better in all but four hours maximum of the computer science hours counted toward the major
II. Bioinformatics ..... 12
A. BINF 3350, 3360, 4360 .....  9
B. BINF 3396 (Summer Intern Experience) or CSI elective (see note) .....  3
IV. Mathematics and Chemistry ..... 23
A. MTH 1321 .....  3
B. STA 2381 or STA 3381 ..... 3
C. CHE 1301, 1302, 1316, $3238,3331,3332$ ..... 17
V. Other Requirements. .....  2
A. Human Performance, two activity courses minimum .....  2
B. Chapel - two semesters .....  0
VI. The requirements for a minor, advanced work, and maximum credit are the same as for the Bachelor of Science in Computer Science

NOTE: The following courses are not applicable to the major in bioinformatics or as degree elective without written permission from the Computer Science Department Chair: CSI 4320; ISY 1305, 3150, 3301 and 3325. ENG 1304 will not substitute for ENG 3300.


## BACHELOR OF MUSIC

Name of Course Required Hrs.
Total hours required in General Studies ..... 26-45
I. English 1302, 1304 and 2301 ..... 9
II. Religion 1310 and 1350 ..... 6
(requirements vary with major)
III. Human Performance (2 semesters) .....  2
IV. Language (Modern) ..... 3-16
(requirements vary with major)
V. Mathematics (not required) ..... 0
VI. Science (not required) .....  0
VII. Social Science ..... 6
A. Political Science 2302 ..... 3
B. History ..... 3
VIII. Chapel (2 semesters) ..... 0
IX. Electives ..... 2-19
Areas of Music Major Emphasis:
Church Music-Voice ..... Organ
Church Music-Instrumental ..... Piano

$\qquad$ Piano Pedagogy
Composition ..... Theory
Instrumental Performance ..... Voice
Music History and Literature
Also Available:Bachelor of Arts in Music Concentration-appliedBachelor of Arts in Music Concentration-academic
BACHELOR OF MUSIC EDUCATION
Name of Course ..... Required Hrs.
Total hours required in General Studies ..... 42-50
I. English 1302, 1304, 2301 .....  9
II. Religion 1310 and 1350 ..... 6
III. Human Performance (2 semesters) ..... 2
IV. Language (modern) ..... 3-11
V. Mathematics 1301 or Statistics 1380 ..... 3
VI. Science (choose from Biology, Chemistry, or Physics). ..... 4
VII. Social Science ..... 9
A. History 1307 and 2365 ..... 6
B. Political Science 2302 ..... 3
VIII. Chapel (2 semesters) .....  0
Areas of Music Education Emphasis:
Strings
Vocal/Keyboard
Wind/Percussion
NOTE: These requirements are subject to change pending changes in state education requirements for teacher certification. See the music education department for advisement.

## BACHELOR OF SCIENCE IN NURSING

Name of Course Required Hrs.
Total hours required ..... 66
I. English: ..... 9
A. English 1302 and 1304 (or 3300) ..... 6
B. English 2301, 2304, 2306, or upper-level literature course in modern foreign languages or in classical languages ..... 3
II. Religion 1310 and 1350 ..... 6
III. Human Performance (not required) ..... 0
IV. Fine Arts (not required) .....  0
V. Language ..... 3-8
VI. Statistics 1380 ..... 3
VII. Science (Laboratory) ..... 19
A. Biology 1402, 2401, 2402 ..... 12
B. Chemistry 1300 and 1100 ..... 4
C. Family and Consumer Sciences 2351 ..... 3
VIII. Social Science ..... 15
A. Political Science 2302 ..... 3
B. History $1305,1306,1307,2365,2366$, or 4398 ..... 3
C. Psychology 1305, 3341 ..... 6
D. Sociology 1305 ..... 3
IX. Chapel (2 semesters) .....  0
X. Elective hours ..... 6


## BACHELOR OF SOCIAL WORK

Professional social worker. The primary objective of the social work program is to provide high quality educational preparation for entry into beginning generalist social work practice with individuals, families, groups, and communities. The secondary objective is to prepare students for graduate social work education. The senior year requires 480 hours of agency practice (SWO 4491 and 4492). Admission to the social work program is by application and requires a 2.5 grade point average for admission and continuing academic standing in the major. To be admitted to the field courses, students may not have a grade below C in social work courses and must have a 2.7 in the major.

The Baylor Undergraduate Social Work Program is fully accredited by the Council on Social Work Education.
Name of Course Required Hrs
I. Minimum requirement ..... 124
II. Basic requirements ..... 58 to 72
A. ENG 1302, 1304, 2301, plus 1 of the following:
ENG 2304 or 2306 or 3 hours of "2000" or above GTX ..... 12
B. REL 1310 and 1350 ..... 6
C. MTH 1301, 1304*, 1321, or STA 1380 ..... 3
*MTH 1304 is intended only for students who plan to takeMTH 1321.
D. Fine Arts ..... 6 to 9

1. One course from each of three areas:
a. ART 1300, 2302, or 2303
b. CLA 3380.
c. FSC 3313, 4313.
d. JOU 1303 or CST 1303
*Credit not allowed for both JOU 1303 and CST 1303.
e. MUS 1220, 3322, 3323, 4320.
f. CSS 1301, 1302, 1304.
g. THEA 1206, 2374
2. Applied courses may not be substituted.
E. Foreign Language3-14
To be fulfilled with the following:
3. Complete one Modern or Classical languagethrough 2320 level. Arabic, Chinese, French,German, Greek, Hebrew, Italian, Japanese,Korean, Latin, Portuguese, Russian, Spanish,Swahili, and Thai may be used.
4. Complete 2 Classical languages through the 1302 or 1402 level. Two languages from Latin, Greek, and Hebrew may be used. (If available, the following Biblical and Related Languages may be used: Akkadian, Aramaic, Syriac, Ugaritic.)
NOTE: It is strongly recommended that the language requirement be started during the first year of residence work. Spanish is recommended to fulfill the language requirement.
F. Laboratory Science..12
5. 4 semester hours from: BIO 1401 or BIO 13051105.
6. 4 semester hours from: NSC 1306-1106.
7. 4 semester hours from: CHE 1300-1100, or CHE 1405, or CHE 1301-1100, or PHY 1405, $1408,1422,1425$, or 1455.
G. History and Social Science12
8. PSC 2302
9. 6 semester hours from: HIS 1305, 1306, 1307, 2365 , or 2366.
10. ECO 3355.
H. Human Performance (3 activity courses) .......................... 3
I. Civic Education, CCS 1100......................................... 1
J. Chapel (2 semesters) ...................................................... 0
K. Electives...............................................................11-25
III. Major
A. SWO 2321, 3301, 3322, 3351, 3352, 3354, 3371,
3401, 4372, 4373, 4491, 4492, and 4293.
B. A grade of C or better in social work courses used for the major.

* Practice in accordance with the National Association of Social Work Code of Ethics is required. minimum grade point average, and maximum credit are the same as for the BA degree. Additional information about requirements is listed under the General Regulations for the College of Arts and Sciences and General University Regulations in the Catalog.



## BAYLOR <br> U N I V E R S I T Y

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