



Schreiner  
University

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*Freshman Class  
Selection Guide  
Fall 2009*

# Schreiner University

## FRESHMEN CLASS SELECTION GUIDE

FALL 2009

This packet has been designed to help First Year Schreiner University students select courses for the 2009 fall semester. Reading through the material once before you try to complete the enclosed worksheet will give you a sense of the requirements you will have to fulfill.

*Once you have worked through this document and have completed the enclosed summary class selection form, you must bring this entire packet of materials with you to our summer Mountaineer Days.*

### Academic Requirements of the University

Schreiner University offers four baccalaureate degrees:

- Bachelor of Arts (BA)
- Bachelor of Science (BS)
- Bachelor of Business Administration (BBA)
- Bachelor of General Studies (BGS) – for those who elect the Engineering Three/Two dual degree program

There are several components, which must be completed to earn a baccalaureate degree:

- Core requirements
- Required courses in your major and Senior Capstone course
- Elective courses that are needed to attain the minimum 120 semester hours of credit that are required for an undergraduate degree

For the purposes of this first semester registration, most students will concentrate on core courses. **If you have an intended major, you should enroll in the introductory course for that major**, and then fill the rest of your schedule from the core course options. Once you arrive on campus in the fall, you will discuss with your faculty advisor how this first term fits into your overall curriculum requirements.

All first semester freshmen are enrolled in a one credit Freshman Studies in the first semester (IDST 1101 & UNIV 0101). In addition to this you should plan to take four or five additional courses for a total semester credit load of 15 to 18 hours. While the Schreiner Catalog will list all possible courses that can fulfill graduation requirements, this booklet contains a list and description only of appropriate courses that are actually being offered for first-time freshmen this fall semester. You will be selecting from the list of courses provided here as you make choices based on your strengths and interests as they apply to the core requirements. The options for transfer students will vary.

### What are the Core Course Requirements?

The foundations provided by Schreiner's core courses will assist you in achieving any goal. These courses can be spread over all four years of enrollment and will help to refine writing, oral, and critical thinking skills that are so important to success in your future endeavors. In addition, these courses of study give you the opportunity to explore ideas, philosophies, concepts, and assumptions in a number of academic areas so that when you select or confirm a major it will be an informed decision.

**Bachelor of Arts Degree majors include:**

- Biochemistry
- Biology
- Business
- Chemistry
- Communication Studies
- Creative Arts
- Exercise Science
- General Studies (see below)
- Graphic Design
- History
- Humanities
- Mathematics
- Music
- Political Science
- Psychology
- Religion
- Sport Management
- Theatre

Preparation to teach in the public schools of Texas is offered for secondary specialization in biology, business education, chemistry, English, history, and mathematics; for middle school specialization in English, generalist, math/science and mathematics; elementary generalist and for all-levels in exercise science and music.

The General Studies major is a rational sequence of courses designed by the student and the student's assigned academic advisor to meet professional requirements or teacher certification in two teaching fields. The Registrar must also approve this course of study.

**Bachelor of Science Degree majors include:**

- Biochemistry
- Chemistry
- Mathematics
- Biology
- Exercise Science

**Bachelor of Business Administration:**

Core course requirements for the Bachelor of Business Administration degree are nearly identical to those listed below in the BA degree requirements. The major difference is that Introduction to Business is a required core course (BSAD 1301), the BBA requires three or four hours of mathematics (Finite Mathematics or Calculus I) plus four hours science.

**Bachelor of Business Administration Degree Majors include:**

- Accounting
- Finance
- International Business
- Management
- Management Information System
- Marketing

**Business Note:** If you wish to pursue the BBA degree, you should plan to take BSAD 1301, IDST 1101, a math course as determined by your placement, and two or three other courses from the core.

**Engineering Three/Two Dual Degree Program:**

Schreiner University offers a dual-degree engineering program in conjunction with universities that offer baccalaureate degrees in engineering. Under the dual-degree plan, the student spends three years at Schreiner and two years at the senior engineering university. After successful completion of required 98 semester hours of study at Schreiner, and thirty upper-division courses in engineering, the student is eligible for a Bachelor of General Studies degree from Schreiner University. After a fifth year of studies the student completes requirements in his or her engineering major and earns a degree from the engineering school.

**Engineering note:** Assuming appropriate placement scores are earned, engineering students should plan to take the following courses in the first semester: English composition ( ENGL 1301), Freshman Studies (IDST 1101), Physics (PHYS 1401), and Calculus (MATH 2422).

# Schreiner University Degree Requirements

Bachelor of Arts		Bachelor of Business Administration		Bachelor of Science	
English	6 credits	English	6 credits	English	3 credits
Communication	3 credits	Communication	3 credits	Communication	3 credits
Laboratory Science	4 credits	Laboratory Scienc	4 credits	Laboratory Science	8 credits
Mathematics	3 credits	Mathematics	3-4 credits	Mathematics	8 credits
Social Inst.	3 credits	Info Systems	3 credits	Info Systems	3 credits
Info Systems	3 credits	Foreign Language	8 credits	Foreign Language	8 credits
Foreign Language	8 credits	History	6 credits	History	3 credits
History	6 credits	Pols US and Texas	3 credits	Pols US and Texas	3 credits
Pols US and Texas	3 credits	Social Inst.	3 credits	Fine Arts	3 credits
Philosophy or Religion	3 credits	Fine Arts	3 credits	EXSI	2 credits
Fine Arts	3 credits	Philosophy or Religion	3 credits	Biol/Chem	3 credits
EXSI	2 credits	EXSI	2 credits	Philosophy or Religion	3 credits
IDST	7 credits	IDST	7 credits	Social Inst.	3 credits
				IDST	7 credits



<p><b>Major(s)</b></p> <p>Minor(s)</p> <p>(Optional)</p> <p>Specialization or Concentration</p> <p>(Both Optional)</p> <p><b>Electives</b></p>
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<b>Senior Capstone</b>
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<b>Schreiner University Degree--120 hours</b>
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- The information concerning degree requirements and core course offerings as cited in this pre-registration packet reflects current academic standards as of May 31, 2009.

## Special Programs

**Pre-Major Studies:** At the point of entry into a College, a majority of freshmen have not yet selected their majors. Therefore, pre-major studies students should select IDST 1101 (Freshman Studies) and 4 or 5 other courses from the fall semester core offerings cited later in this packet.

**Pre-Medical or Dental Studies:** The entrance requirements for medical and dental Universities of the United States are limited to relatively few courses. One common misconception among entering students all over the country is that pre-med is a major. However, pre-med is a career direction, not an academic major. Because medical and dental Universities show little or no preference for any one major, students planning these careers have the opportunity to choose a major that will reflect personal interests and strengths. You should, however, keep three objectives in mind: (1) to secure a broadly based cultural background, (2) to master the necessary skills for an alternative career, and (3) to take advantage of extracurricular opportunities at Schreiner that will help you demonstrate leadership, balance, and interpersonal skills.

A typical first semester schedule for a pre-medical or pre-dental curriculum might include: ENGL 1301, CHEM 1401, BIOL 1301, 1102 MATH (1310, 1321, or 2422 depending on placement), and IDST 1101.

**Pre-Pharmacy:** Pharmacy schools are very specific about undergraduate course requirements - more so than medical or dental schools. If you have a pharmacy school in mind, you might want to write as soon as possible to request information regarding its admission requirements. Your academic advisor may already have this information on file.

A typical first semester schedule for pre-pharmacy curriculum might include: ENGL 1301, CHEM 1401, BIOL 1301, 1102 MATH (1310, 1321, or 2422 depending on placement), and IDST 1101.

**Science Majors:** In order to make normal progress towards a bachelor's degree in biology, biochemistry, or chemistry the following typical first semester schedules should be followed.

**Biology BA or BS:** BIOL 1301, 1102 CHEM 1401, MATH (1310, 1321, or 2422 depending on placement), ENGL 1301, and IDST 1101.

**Chemistry BA:** CHEM 1401, MATH (1310, 1321, or 2422 depending on placement), ENGL 1301, IS 2301, and IDST 1101.

**Chemistry BS:** CHEM 1401, BIOL 1301, 1102 MATH (1310, 1321, or 2422 depending on placement), ENGL 1301, and IDST 1101.

**Biochemistry BA or BS:** CHEM 1401, BIOL 1301, 1102 MATH (1310, 1321, or 2422 depending on placement), ENGL 1301, and IDST 1101.

**Exercise Science BA or BS:** EXSI 1301, CHEM 1401 or 1403, MATH (1310, 1321, or 2422 depending on placement), ENGL 1301, and IDST 1101.

**Pre-Law Studies:** All baccalaureate degree programs offered at Schreiner satisfy the academic requirement for admission to any law school. While many students major in history, business, English, philosophy, accounting, or general studies – legal studies, no law school specifies particular courses or curricula as prerequisite to admission. A solid pre-legal education is one where you develop your oral and written comprehension and expression as well as critical thinking and critical understanding of human values. Schreiner University coursework throughout the curriculum is designed to give you the opportunity to develop these skills. Your Schreiner faculty advisor will assist you in selection of courses along the way. What law schools do consider is your baccalaureate degree, your GPA, and an acceptable score on the Law School Admission Test (LSAT).

**Pre-Law Note:** In your first semester, carefully choose course options that reflect your academic strengths and interests thus far. Good academic performance is essential to law school admission, and this is true right from the start.

**Pre-Seminary:** The bachelor's degree is required for admission to an accredited theological seminary. A broadly based undergraduate curriculum is the best preparation. Neither specific courses nor a particular major field of study is required. It is recommended that courses beyond the minimum requirement be taken in philosophy and religion. At Schreiner, students pursuing careers in the ministry usually choose to major in religion.

**Pre-Seminary Note:** You may choose course options that reflect your own interests and strengths, since there are no specific requirements for this program.

**Schreiner Teacher Education Program (STEP):** Schreiner University offers teacher preparation programs in several secondary, and middle school teaching fields. Currently, students pursuing a BA in biology, business education, chemistry, English, history, or mathematics also may pursue teacher certification for teaching at the secondary level (grades 8-12). Those majoring in exercise science and music may pursue teacher certification for teaching all levels (grades 1-12). Those pursuing middle school certification may specialize in English, generalist, math/science, or mathematics (grades 4-8). Those interested in elementary teaching will follow the Early Childhood – 6 (EC-6) degree plan. Once here, your academic advisor will provide you with the detailed information.

**Education Note:** The general education requirements for Texas certification are reflected in the Schreiner core curriculum for the BA degree. Therefore, when you choose your first semester course options, simply choose ones that appeal to your strengths and interests.

## **SCHEDULE SELECTION**

The following pages provide specific fall semester course options available to entering Schreiner University first year students. Please **review them carefully** and **select courses that truly appeal to your interests and academic strengths**. Your goal is to construct a schedule with IDST 1101, UNIV 0101, and 4 or 5 other courses. You should select enough courses to **give yourself a minimum of 12 hours and no more than 18 hours** per semester. **The second digit in a course number designates the number of semester hours to be earned**. During your first semester, you will select courses but will not select times as this will be done for you (first term only). Because we use this process in the first term, the result is you are more likely to take courses that are most appealing to you. This outcome is one of the many ways we hope to support your success and satisfaction as a Schreiner student.

**Transfer students** have differing academic backgrounds and transfer credits, including dual credit classes. They should come prepared to discuss the appropriate course levels based on their academic credits to date.

### **Freshman Studies: IDST 1101**

All first semester freshmen are enrolled in this course. It is specifically designed to increase your potential University success by enhancing knowledge of academic skills.

### **University Studies: UNIV 0101**

A course designed to increase knowledge skills and self awareness required by college freshmen to be successful in their first year of college and beyond. This class is a non-credit course.

### **English Composition: ENGL 1301**

Since writing is a foundation course for so much of University success, we ask each Schreiner new student to enroll in an English course in the first semester. Be sure to indicate on the yellow pre-registration summary form if you may have AP credit for English.

**Sciences:** If you are an entering pre-med/dental/pharmacy or any science (or engineering) major, you will need to enroll in an appropriate lab science course. If you do not fall into one of the above categories of science-bound majors, yet you truly enjoy science and wish to take a course in your first semester, you can request a lab science for either majors or for non-majors. If you are a non-science major BIOL 1400 is Offered in Fall. BIOL 1405 or 1407 are offered during the Spring.

**Please note that priority will be given to majors, which require these courses.** Fall semester course options include:

\_\_\_\_\_ BIOL 1301 & 1102 **Concepts of Biological Science:** A conceptual approach designed to provide students with an organizing framework for understanding and further learning of biology. This is the introductory course for the major taken by pre-med/dentistry students and has three hours of lecture per week and 3 hours of lab per week. (4 credits)

\_\_\_\_\_ CHEM 1401 **General Chemistry I:** Designed for students preparing for careers in science, engineering, medicine, dentistry, and pharmacy. Atomic theory, stoichiometry, bonding, periodic classification of the elements, and states of matter are studied. Problem solving is emphasized. Pre-requisite: 2 years of high school algebra, completion or concurrent enrollment in MATH 1310 (College algebra). The course has three hours of lecture; three hours of lab. (4 credits)

\_\_\_\_\_ PHYS 1401 **College Physics I:** A quantitative introduction to modern physics. Topics include laws of motion and heat and wave phenomena among others. Required course for engineering, physics, pre-med, and other science and technology related programs. Prerequisite: credit for or concurrent enrollment in Calculus I. The course has three hours of lecture and two hours of lab each week. (4 credits)

**Foreign Language:** At least eight credit hours must be earned in one of the available foreign languages. If you have studied a foreign language in high school, you will need to take the Placement Test to determine the appropriate level of language in which to enroll. If you place into a level higher than the introductory 1401 course, you may receive credit based on placement. French, German, and Spanish are offered.

**Mathematics:** All students are required to complete at least one course in mathematics. The math needed to fulfill your graduation requirements depends on your degree goals and requirements in your major. Non-science majors may fulfill this requirement by taking Mathematics for the Liberal Arts, College Algebra, Finite Mathematics, Precalculus, etc. Your score, ACT/SAT and work completed in high school, determines placement. Students in science and engineering majors will need a math course in their first semester and will thus be given priority for enrollment. Any other student who likes math and is strong in this area can list math as a desired course option on the Class Preference Summary Form. The following math courses which are recommended for liberal arts majors will be offered during the fall semester:

MATH 1310 **College Algebra**: Linear equations and inequalities, exponents and radicals, factoring, rational expressions, quadratic equations, functions, inverse functions, and graphs. (3 credits)

MATH 1321 **Precalculus**: Analytical geometry and trigonometry. Study of elementary functions, their graphs and applications including algebraic, polynomial, and rational functions, trigonometric, exponential, and logarithmic functions; conic sections; complex numbers. Prerequisite: Placement above College Algebra (MATH 1310) (3 credits)

MATH 2422 **Calculus I**: A thorough introduction to the theory and applications of differential and integral calculus. Recommended to students who plan to major in mathematics, engineering, physics, chemistry, and premedical programs. (4 credits)

The following math courses, which are recommended for business majors, will be offered during the fall semester:

MATH 1311 **Finite Mathematics**: Sets, the real-number system, relations and functions, sequences and mathematics of finance, matrices, inequalities and linear programming. Prerequisite: Placement above College Algebra (MATH 1310) (3 credits)

or

MATH 2422 **Calculus I**: See above cited course description.

**The remainder of this booklet lists all core courses that are available to first term students in the Fall of 2009. Please read the descriptions, think about your interests, abilities and background, intended major (if you have selected one) and place a check next to each course that is appealing to you as one in which you can be most successful. Your Class Preference Summary Form will then ask you to list your desired course options in priority order.**

\_\_\_\_\_ ART 1340 Introduction to Visual Arts: Focuses on cultural history and the visual arts. Discusses the contribution of art to the understanding of aesthetics, observations of historical styles, traditional and contemporary technique, and the influence of cultural media (for non art majors).

\_\_\_\_\_ BIOL 1400 Human Biology: A one-semester study of biological principles particularly as they apply to Humans. (3-2). Does not fulfill requirements for the biology major. Students who already have credit for BIOL 1301 & 1102 or BIOL 2401 may not ordinarily receive credit for BIOL 1400.

\_\_\_\_\_ BIOL 1301 & 1102 Concepts of Biological Science: A conceptual approach designed to provide students with an organizing framework for understanding and further learning of biology.

\_\_\_\_\_ BSAD 1301 Introduction to Business: A study and survey of the functional area of business with particular emphasis on the role of business in American society, business careers, and techniques of analysis used in business.

\_\_\_\_\_ CHEM 1401 General Chemistry I: Designed for students preparing for careers in the sciences. Problem solving emphasized involving atomic theory, stoichiometry, bonding, periodic classification of the elements, and states of matter.

\_\_\_\_\_CHEM 1403 Introductory Chemistry: Basic chemistry course for non-science majors. Emphasis on allied health topics. (3-2).

\_\_\_\_\_ENGL 1301 Rhetoric and Composition: Mechanics of expression and principles of good English usage, including logical development of thought, with major emphasis given to the development of a clear, forceful prose style.

\_\_\_\_\_EXSI 1201 Individual Fitness: A course designed to give students the opportunity to concentrate on developing and participating in an individualized fitness program with emphasis on appraisal and development of the four health related physical fitness components: cardiovascular endurance, muscular strength, flexibility, and body composition.

\_\_\_\_\_EXSI 1301 Introduction to Exercise Science: Introduction to the field of physical education, its philosophy, objectives, principles and history, and their application to exercise science.

\_\_\_\_\_FREN 1401 Elementary French I (higher levels per Placement Test or AP credit): A comprehensive course in French with emphasis on oral and written communication.

\_\_\_\_\_GERM 1404 Elementary German I (higher levels per Placement Test or AP credit): A comprehensive course in German with emphasis on oral and written communication.

\_\_\_\_\_HIST 1301 US History through the Civil War: An analysis of US history from its colonial foundations through the Civil War.

\_\_\_\_\_HIST 1302 US History since the Civil War: An analysis of US history since the Civil War include such topics as Reconstruction, Populism, Progressivism, the two world wars, and the post-World War II period.

\_\_\_\_\_HIST 1350 World Civilization to 1600: A historical study of man from ancient times to the beginnings of the modern era with emphasis on the social, cultural, and intellectual history of the period.

\_\_\_\_\_ **IDST 1101 Freshman Studies - REQUIRED OF ALL NEW FULL TIME FRESHMEN**

This first year seminar is designed to introduce the incoming college student to the academy of research, scholarship, thought, and knowledge. The seminar will investigate a variety of relevant and timely topics which will vary from section to section. Each class will emphasize close and critical reading, lively class discussions, and practice in academic research and writing.

\_\_\_\_\_IS 2301 Microcomputer Concepts and Applications I: A study of computer hardware and software and the uses of computers.

\_\_\_\_\_MATH 1310 College Algebra: Linear equations and inequalities, exponents and radicals, factoring, rational expressions, quadratic equations, functions, inverse functions and graphs . (Depending on mathematics placement).

- \_\_\_\_\_ MATH 1311 Finite Mathematics; Sets the real-number system, relations and functions, sequences and mathematics of finance, matrices, inequalities and linear programming, permutations and combinations, and probability for Business majors.
- \_\_\_\_\_ MATH 1321 Precalculus: Analytic geometry and trigonometry with the study of elementary functions, their graphs and applications including algebraic, polynomial, and rational functions, trigonometric, exponential, and logarithmic functions; conic sections; and complex numbers.
- \_\_\_\_\_ MATH 2422 Calculus I: A thorough introduction to the theory and application of differential and integral calculus with topics including the properties of real numbers, sets, two and three dimensional analytic geometry with vectors, rectangular, polar, cylindrical coordinate systems, functions, limits, derivatives, and the mean value theorem.
- \_\_\_\_\_ MUSC 1102 University Choir: Singing in the primary campus choral ensemble, including training in voice production and musicianship. **Auditions Required**
- \_\_\_\_\_ MUSC 1103 Orchestra. **Auditions Required - Need instrument played**
- \_\_\_\_\_ MUSC 1104 Applied Music: Voice-private instruction in voice with laboratory fee.
- \_\_\_\_\_ MUSC 1108 Applied Music: Harp-private instruction in harp with laboratory fee.
- \_\_\_\_\_ MUSC 1109 Applied Music: Orchestral Instrument-private lesson in an orchestral instrument with laboratory fee. **Must identify which instrument played.**
- \_\_\_\_\_ MUSC 1201 Voice class for beginners: This course includes basic vocal training, breathing techniques, posture, learning songs, listening and appreciation of various vocal styles
- \_\_\_\_\_ MUSC 1203 Piano Fundamental: Course includes playing from treble and bass clefs, keyboard harmony, technical rudiments, simple two-hand pieces.
- \_\_\_\_\_ MUSC 1303 Introduction to Music: An introduction to the art of musical understanding with topics including musical elements, musical styles and periods, composers and their works, and musical forms.
- \_\_\_\_\_ PHYS 1401 College Physics I: A quantitative introduction to modern physics with topics including the laws of motion and heat and wave phenomena, among others. Must be at Math 2422 or above.
- \_\_\_\_\_ PSYC 1300 Personal Adjustment: A course emphasizing application of psychology to personal development and improvement of social relationships, including topics of self-concept and self esteem, values, sex roles, stress and anxiety, friendship and intimate relationships, failures of adjustment, treatment roles, social problems, and techniques for fulfillment.
- \_\_\_\_\_ PSYC 1301 Introduction to Psychology: A survey of the multiple dimensions of psychology, including history and methods, looking at biological bases of behavior, perception, learning and memory.
- \_\_\_\_\_ SPAN 1401 Elementary Spanish I (higher levels per Placement Test or AP credit) comprehensive course in Spanish with emphasis on oral and written communication.

\_\_\_\_\_THRE 1101 Rehearsal and Performance: Laboratory (some off campus) in acting, stage management, design, construction and handling of scenery, lighting, sound, properties, costume and make-up.

\_\_\_\_\_THRE 1301 Introduction to Theatre I: Basic acting with emphasis on play structure, character development, and elementary problems of ensemble playing. Memorization and participation in dramatic presentations are required..

\_\_\_\_\_THRE 2301 Acting I: Basic acting with emphasis on play structure, character development, and elementary problems of ensemble playing. Memorization and participation in dramatic presentations are required.

\_\_\_\_\_UNIV 0101 **University Studies—REQUIRED OF ALL NEW FULL TIME FRESHMEN.**  
A course designed to increase the knowledge, skills and self-awareness required by college freshmen to be successful in their first year of college and beyond.

## **IDST 1101 Course Descriptions**

\_\_\_\_\_ **Culture and Creativity: Learning and Communicating Through the Arts:** This interactive class uses a workshop format where students use the visual and performing arts to develop intra and interpersonal communication skills, exercise their imagination, and learn to think creatively. This is not an art class. It is an artistic approach to learning and thinking in a diverse world.

\_\_\_\_\_ **Studies in Popular Culture:** Welcome to the fascinating world of popular culture studies -- one of newest and most engaging academic fields. Many scholars now believe that anything that so greatly affects our daily lives, such as music, advertising, film, television, sports, video games and the like, is just as worthy of serious university study as classical literature, history, or philosophy. Join us as we examine how important and relevant contemporary cultural issues really are.

\_\_\_\_\_ **Living “Green” in the new Millennium:** This interdisciplinary course is an introductory study of the scientific, legal and social issues surrounding the use and conservation of natural resources facing future generations. Three course sections will address the specific topics of: 1. the challenge of building a green work force; 2. the law and regulation as a means of social change and; 3. the environmental impact of green technology.

\_\_\_\_\_ **Culture and Conflict:** Michelle LeBaron said it best in her essay on Culture and Conflict in Beyond Intractability (2003), “Cultures are embedded in every conflict because conflicts arise in human relationships. Cultures affect the ways we name, frame, blame, and attempt to tame conflicts. Whether a conflict exists at all is a cultural question.” Interdisciplinary studies in Culture and Conflict explore various environments of cultural conflict where culture is the catalyst for conflict or for harmony.

\_\_\_\_\_ **Contemporary Social Issues:** This course explores the political, educational, media and economic dimensions of a particular issue in society, and how citizens may respond to the issue.