

Summary of Proposed Curriculum Revisions

Ouachita Baptist University
December 2014

The faculty **approved** these revisions at the Faculty Meeting on Tuesday, December 2, 2014.

[Business](#) | [Christian Studies](#) | [Education](#) | [Fine Arts](#) |
[Humanities](#) | [Natural Sciences](#) | [Social Sciences](#)

The **short form** notation indicates informational level curriculum revisions submitted on the Curriculum and Academic Standards Committee's short form, which addresses course title changes, course time offering changes, and non-substantive changes to course content and/or descriptions. These short form revisions will NOT be brought to the faculty for discussion or a vote, unless questions are raised before the faculty meeting.

Business

Business Administration	<p>Simplify economics requirement for business and accounting majors: six undergraduate economics hours required, three of which are JR/SR.</p> <p>The Managerial Economics course is probably not teachable online. Survey of Economics has no textbook available for the immediate future and Principles of Microeconomics is easily adapted to online formats. The department can schedule freshman/sophomore and junior/senior courses in the traditional business/accounting program that will allow students to take a variety of economics courses and still meet their catalog requirements. This also has the added benefit of providing the variety of courses that students have been requesting for many years without having to hire additional faculty members or field a new emphasis.</p> <p>Catalog Description This change will affect the following pages (in the current 2014-2015 general catalog):</p> <p>p. 59: School Organization and Majors 3. Business Core Delete ECON 1013 Survey of Economics and ECON 3033 Managerial Economics Add Six hours of Economics, three of which are at the JR/SR level</p> <p>p. 60: Accounting Typical 4-Year Program SPRING (YEAR 1) after ECON 1013 Survey of Economics.....3 Add <u>or</u> ECON 2023 Principles of Microeconomics.....3</p> <p>p. 61: Under SPRING (YEAR 3) instead of ECON 3033 Managerial Economics.....3 have ECON XXX3 JR/SR Economics.....3</p> <p>p. 62: Business Administration Typical 4-Year Program SPRING (YEAR 1) after ECON 1013 Survey of Economics.....3 Add <u>or</u> ECON 2023 Principles of Microeconomics.....3</p> <p>p. 63 Under SPRING (YEAR 3) instead of ECON 3033 Managerial Economics.....3</p>
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	<p>have ECON XXX3 JR/SR Economics.....3</p> <p>Under REQUIREMENTS FOR MINORS</p> <p>BUSINESS ADMINISTRATION MINOR (non-business majors only)</p> <p>Delete ECON 1013 Survey of Economics.....3</p> <p>Add ECON XXX3 Any economics course.....3</p>
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Christian Studies

<p>Christian Studies</p>	<p>Revise the course requirements for the minor in Christian Studies. Rather than having specified classes the students will be able to take any 18 hours in CS (with at least 6 Jr/Sr hours).</p> <ol style="list-style-type: none"> 1. This will give students who minor in Christian Studies more flexibility regarding which classes they take. 2. At the present time, Spiritual Formation and Biblical Exegesis are required classes for CS Minors. We are having difficulty staffing these classes at optimum levels. That is, class sizes have regularly been much larger than optimum, and we are unable to offer more sections to reduce the class sizes. Removing these classes as required for the CS minor should spread the student load out and decrease class size in these two classes. 3. The Biblical Exegesis class functions as the second writing class for Christian Studies majors. As a writing class it would be much better if the classes were smaller. If it is not required of CS minors then we don't expect as many CS minors to take it. This will make the classes smaller and allow the class to focus more on writing skills specific to CS majors. <p>Catalog Description A Minor in Christian Studies requires the completion of 18 hours from BIST, THEO, CHMN, MSSN, PHIL, GREK, or HEBR, of which 6 hours must be at the Junior or Senior level. Classes used for a PHIL major or minor, a Biblical Languages major, a Christian Media/Communications major, a Church Media/Production Arts major, a Worship Ministry major, a Worship Arts major, a Recreation Ministry minor, a GREK minor or a HEBR minor will not count toward the Christian Studies minor.</p>
<p>Christian Studies New Life</p>	<p>Add a sophomore level course to be used as an elective for the associate's degree offered through OBU at New Life. This would be a Christian History course.</p> <p>The associate's degree will require some elective courses to be offered to fulfill the degree. The director is a specialist in Historical Theology. He will be able to develop and teach this course as one of the electives. It is a required course for our BA students.</p> <p>Catalog Description THEO 2xx3 Christian History. A study of the development of Christianity worldwide from the first century to the present with emphasis on the development of and diversity within evangelical Christianity since the eighteenth century.</p>
<p>Christian Studies Short form</p>	<p>To clarify what meets the Internship/Service requirement for all Christian Studies students. Currently the catalog only offers a for credit internship. This change will broaden the options for students to meet the requirement.</p> <p>The goal of the Internship/Service requirement for all Christian Studies majors is to insure that all students have some practical ministry or service experience while completing the degree. At one time we thought more in terms of either a for credit internship or a TranServe experience. However, our goal is met if students are also involved in non-credit internships and some classes which emphasize service or ministry. Therefore we felt it prudent to broaden the spectrum of acceptable activities to fulfill this requirement.</p> <p>Catalog Description Internship/Service Component (The following will replace the current paragraph under this topic on page 70.) Fulfillment of the Internship/Service Component is achieved by one of the following:</p> <ol style="list-style-type: none"> 1. Tuition Credit Internship: Regular internship course offerings are available to be taken during a regular semester or the summer term. These can be 1-6 hours of academic credit and will serve as part of the student's academic load for the semester taken. Credit internships must be preapproved by submitting the proper paperwork to be approved by the appropriate Internship Supervisor. Guidelines and forms are available in the Dean's Office. 2. Non-credit Internship: An internship in an approved ministry may fulfill this requirement. It must entail a minimum of 50 hours of ministry. Only pre-approved internships will be accepted. Information and forms are available in the Dean's Office.

3. Completing one semester of TranServe (minimum 20 hours) through the Elrod Center.
4. Completing the Supervised Hospital Ministry course (CHMN 4406).
5. Successful participation in the Mission Study Trip.

NOTE: All majors in the School of Christian Studies require an internship/service component.

In light of the above change relative to the 1-6 hours for credit internships, p. 75 of the catalogue will assign the following number to the Christian Ministry Internship course: 3430-6 CHMN Internship, 3430-6 CMPA Internship, while p. 77 of the catalogue will assign the following number to the Christian Missions Internship course: 3430-6 MSSN Internship.

Education

<p>Education</p>	<p>Delete the Education in the Christian School minor and the course EDFN 2014: Education in the Christian School: Philosophy and Practice 4 hours.</p> <p>There has only been one student in the past at least five years who completed this minor and very few students engaged in this minor prior to that time. This minor is not an option for Education Majors due to courses overlapping. Candidates can take the EDFN 2014 Education in the Christian School course which was designed to be a practicum in a Christian School. There have been students take the Practicum course but it had to be modified significantly since the ACSI accredited schools in which to complete the practicum are not close by. It has also only been offered every other Spring Semester with very low enrollment. There were five in the class the last time it was offered.</p> <p>Further, to keep our accreditation status above reproach, students had to meet all pre-requisites for admission to the Teacher Education Program in order to take many of the courses required in the minor. Students wishing to teach in Christian Schools can do so with a regular teacher educator license. If they choose to work in a Christian School that requires ACSI certification, the school in which they are employed can assist them in obtaining that certification.</p>
<p>Education</p>	<p>Delete the Fifth-Sixth Grade Endorsement which is no longer available through the Arkansas Department of Education. Instead, add the 3 and 4 year old Endorsement to the new K-6 license.</p> <p>The state will no longer add the 5th- 6th Endorsement for a P-4 license. Candidates can take the K-6 Elementary Praxis II Content test and successfully pass it and be licensed K-6 after they complete the P-4 license requirements. All programs must have K-6 Elementary Education programs in place by Fall 2015. OBU completed requirements for the K-6 teacher education program last Spring. Therefore, all newly admitted candidates must use the K-6 program. An unintended consequence of state licensure changes is making a shortage of licensed teachers for the pre-kindergarten classrooms and centers in Arkansas. Institutions of higher education are being encouraged to consider the 3-4 year old endorsement since the P-4 programs would have approved classes that would cover this endorsement. OBU does have twelve hours that will meet the competencies for the 3-4 year old endorsement and the courses can be offered as “taught with” in some cases which would not increase faculty loads significantly.</p> <p>One of the four classes needed is in the current catalog, and the other three were listed in the catalog until this year when the curriculum was changed from Early Childhood to Elementary Education to meet state requirements. With minor revisions to the previous course titles and descriptions, these courses will meet all the criteria for the Three and Four Year Old Endorsement.</p> <p>Including the class EDFN 4103 which is used in the Education and Public Policy minor will allow students/teacher education candidates to explore how public policy affects early childhood funding and requirements. Further, early childhood educators are increasingly called to be advocates for children. Understanding policy issues should be very beneficial and make the early childhood educators better equipped to assist children and families.</p> <p>Catalog Description The Three and Four Year Old Endorsement can be added to the K-6 Elementary Education license by the completion of the following twelve hours: ECED 3123 Techniques for Early Childhood Education...which we would like to rename as <i>ECED 3123 Techniques and Assessment for Early Childhood Education</i></p> <p><u>The catalog description needs to read:</u> A study of developmentally appropriate practices to facilitate the young child’s holistic development and learning. Students <i>Teacher education candidates</i> will plan, implement, and evaluate teaching strategies and <i>types of assessments for children including materials development</i> in pre-school programs and primary grade classrooms. Pre-requisites: EDFN 2003, ECED 3103, and admission to Teacher Education Program. On Demand.</p>

	<p>ECED 4033 Curriculum Principles <i>for Early Childhood Classrooms</i>. A study of trends in basic principles and philosophies and their implications for educational practices, procedures, and materials employed in teaching grades P-4 <i>in early childhood settings</i>. Pre-requisite: Admission to Teacher Education and ECED 3123 or permission of the Department Chair.</p> <p>ECED 4043 Practicum in Early Childhood Education and Classroom Management. Directed practical experiences in working with children <i>of diverse backgrounds</i> in individual and small group situations. Pre-requisites: EDFN 2003, ECED 3103, ECED 3123, or permission of the Department Chair and Admission to Teacher Education. Admission to Teacher Education, ECED 3123, ECED 4033 or permission of the Department Chair.</p> <p>EDFN 4103 Education and Public Policy Field Experience. Student in this course will participate in a field experience set in a public-policy making venue. Pre-requisite: Junior standing or consent of the instructor. On Demand.</p>
<p>Education Short form</p>	<p>Change SCED 4033 Secondary Methods and Classroom Management to SCED 3043.</p> <p>The Methods course needs to be taken before the practicum course and changing it to a junior level course will facilitate that requirement.</p> <p>Catalog Description SCED 3043 Secondary Methods and Classroom Management. A study of resources and methods of motivating students and directing learning. It includes the study of selected teaching approaches including individualized education programs. Prerequisite: EDFN 2003, and admission to Teacher Education. Fall, Spring.</p>
<p>Education Short form</p>	<p>Change the number of SCED 3013 Secondary Practicum in Education Grades 7-12 to SCED 4523.</p> <p>To allow both of the secondary practicum classes (MSED and SCED) to be Senior level classes with the same number. Changing the course title and content provides a practicum experience for candidates seeking certification in grades 7-12. Previously, students in the course completed their practicum hours in grades 9-12, which meant they did not get experience in 7-8. Therefore, we feel this change will allow for greater participation and flexibility with placements in grades 7-12. It also clarifies expectations for teacher education candidates and for our NCATE/CAEP accreditation reporting.</p> <p>Catalog Description SCED 4523 Practicum in Education Grades 7-12. The course is designed to enable teacher education candidates to make better decisions as teachers when working with students in grades 7-12. Candidates will develop a philosophy of education based on content-specific, national standards, and a fifty hour field experience component. The course will also provide an overview of the basis for school organization and appropriate teaching strategies, including scheduling, curriculum design, and strategies for working with diverse populations. Pre-requisite: Admission to Teacher Education. Fall, Spring.</p>

Fine Arts

Music

Establishes guitar principal area requirements for the Bachelor of Music (BM) in Worship Arts.

In order to be consistent with current principal area requirements for voice, keyboard, and instruments, the guitar principal area requirements will fulfill the expectations for students pursuing a guitar principal on the BM degree in the Worship Arts major.

The guitar area requirements will—in combination the General Music, Worship Arts, and Christian Studies requirements—allow students to meet NASM requirements for the BM.

Catalog Description

Guitar Principal Requirements		13
MUWA 3862	Directing the Rhythm Section	2
MUED 3121, 3221, 3001 -or- 3101, 3201, 3011	Instrumental Conducting 1 Instrumental Conducting 2 Vocal Perspectives -or- Choral Conducting 1 Choral Conducting 2 Instrumental Perspectives	3
MUEN 1xx0.5	Ensemble (8 sems; at least 2 sem. of MUEN 1000.5 Concert Choir)	4
MUAP 20xx.5	Guitar Seminar	4

Humanities

Spanish	<p>Modify SPAN 2043 Intermediate Spanish II to include a component of oral communications.</p> <p>To provide students an opportunity to improve their oral Spanish skills. To ensure that all Spanish majors and minors who do not CLEP Intermediate Spanish II take an Oral Communication Program course.</p> <p>Catalog Description SPAN 2043 Intermediate Spanish II. A study of in-depth grammar in the context of written compositions and oral presentations (Oral Communication Program Course). Prerequisite: SPAN 2033 or equivalent or consent of instructor. Spring.</p>
Spanish	<p>Modify SPAN 4143 Methods of Teaching Spanish to include Praxis II World Spanish and Oral Proficiency Interview (OPI) which are required for Spanish Teacher Education candidates.</p> <p>To ensure that students have the opportunity to take required tests as a required component of a graded class prior to student teaching. This course will not include an extensive preparation period for the tests. The tests are intended to measure the student's overall proficiency in the language, which should already be developed to take a 4000-level class.</p> <p>Catalog Description SPAN 4143 Methods of Teaching Spanish. A study of modern methodology of foreign language teaching. Students will take the Praxis II World Spanish and Oral Proficiency Interview as part of the course. Prerequisite: SPAN 2043, SPAN 3133 or equivalent or consent of instructor. On Demand.</p>
Spanish	<p>Change SPAN 3133 Advanced Grammar (currently a required course for majors) to SPAN 3133 Advanced Grammar and Composition (to be a required course for both majors and minors). This course will be a College Writing 2 course.</p> <p>To ensure that all Spanish majors and minors have essential grounding in advanced Spanish grammar and Spanish composition. To include a composition component as a complement to the grammar instruction, providing the students with greater contextualization of grammatical concepts. To ensure that a College Writing 2 course is included for majors and minors (although the College Writing 2 course would normally be a 2000-level class, this writing will be done in Spanish, necessitating the inclusion of this requirement a year later in the students' progression).</p> <p>Catalog Description SPAN 3133 Advanced Grammar and Composition. Designed to give training in elements of advanced grammar, including contextualized work in compositions and written exercises (College Writing 2 course). Prerequisite: SPAN 2043 or equivalent or consent of instructor. Fall, Spring.</p>
Spanish	<p>Combine the current SPAN 4133 Latin American Culture and Civilization and SPAN 4153 Hispanic Culture and Civilization (previously an either/or mandatory course for majors) into a single course SPAN 4133 Hispanic and Latin American Culture and Civilization. This class will be a College Writing 3 course. Maintain this class as a mandatory class for Spanish majors.</p> <p>To combine previously separate material on Spain and Latin America into a single course which equips Spanish majors with knowledge of the cultural, historical, political and artistic threads from Spain, through Latin America to the U.S. To ensure that all Spanish majors have gained adequate knowledge of Spanish, Latin American and U.S. Latino cultures to complement the language and literature expertise gained in other courses. To ensure that Spanish majors take a College Writing 3 course.</p>

	<p>Catalog Description SPAN 4133 Hispanic and Latin American Culture and Civilization. Study of the history, culture, and geography of Spain and Latin America as reflected in artistic production and political thought. Prerequisite: SPAN 2043, SPAN 3133 or equivalent or consent of instructor. Fall.</p>
Spanish	<p>Modify the required upper level courses for majors to include at least one Topical Seminar (SPAN 4XX3). This proposed change will not result in a net increase for the number of hours required for majors.</p> <p>To ensure that all Spanish majors take at least one senior-level course which delves into a given subject area of Hispanic and Latin American studies with scholarly depth and specificity.</p> <p>Catalog Description 4XX3 Topical Seminar. Seminar designed to deepen the students' understanding and investigation in a specific area of Hispanic and Latino studies. Prerequisite: SPAN 2043, SPAN 3133 or equivalent or consent of instructor. Spring.</p>
Spanish	<p>Change the required upper level courses for Spanish majors to be SPAN 3133, SPAN 4133 and any Topical Seminar. For Spanish majors this changes one of the required "any upper level three hour class" to one of the offered Topical Seminars. SPAN 4133 will be designated a College Writing 3 course, ensuring that all Spanish majors fulfill that university requirement. For Spanish minors SPAN 3133 will also be the mandatory upper level course, a change from one of the required "any upper level three hour class" which comprised the six hour upper level class requirement.</p> <p>To ensure that all Spanish majors and minors have gained the knowledge of advanced grammar commensurate with those degrees. To ensure that all Spanish majors have gained adequate knowledge of Spanish, Latin American and U.S. Latino cultures To complement the language and literature expertise gained in other courses. To ensure that Spanish majors take a College Writing 3 course.</p> <p>Catalog Description Requirements for a major in Spanish: At least twenty-four hours in Spanish including SPAN 3133, SPAN 4133, any Topical Seminar (SPAN 4XX3) and one additional three-hour SPAN 3000/4000 level course. Subject Area Requirements outlined under the Teacher Education Program will be applied to dual Spanish/Teacher Education majors. Requirements for a minor in Spanish: A minimum of eighteen hours in Spanish including SPAN 3133 and one additional three-hour 3000/4000 level class.</p>
Spanish Short form	<p>Change current titles and/or course descriptions of SPAN 3123, 3143, 4003, 4013, and 4023.</p> <p>To convey more accurately the course content.</p> <p>Catalog Description SPAN 3123 Composition and Conversation. Designed primarily for students who have earned twelve hours of CLEP credit in Spanish (College Writing 2 course) (Oral Communication Program Course). Prerequisite: SPAN 2043 or equivalent or consent of instructor. On Demand. SPAN 3143 Spanish Reading: Short Stories. Developing skills in reading, focusing on short stories selected from well-known Spanish and Latin American authors. Prerequisite: SPAN 2043 or equivalent or consent of instructor. On Demand. SPAN 4003 Latino Literature in the U.S. Readings from works of outstanding Latino Writers. Prerequisite: SPAN 2043 or equivalent or consent of instructor. On Demand. SPAN 4013 Spanish Literature to 1700. Study of canonical works of the medieval and Golden Age literature of</p>

	<p>Spain. Prerequisite: SPAN 2043, SPAN 3133 or equivalent or consent of instructor. On Demand.</p> <p>SPAN 4023 Spanish Literature from 1700 to Present. Study of outstanding works of the romantic, modern and current literature of Spain. Prerequisite: SPAN 2043, SPAN 3133 or equivalent or consent of instructor. On Demand.</p>
<p>Spanish Short form</p>	<p>Change the title of SPAN 3133 Advanced Grammar to SPAN 3133 Advanced Grammar and Composition and to change the title of SPAN 4133 Latin American Culture and Civilization and SPAN 4153 Hispanic Culture and Civilization to SPAN 4133 Hispanic and Latin American Culture and Civilization.</p> <p>To more accurately convey the clarify course content.</p> <p>Catalog Description SPAN 3133 Advanced Grammar and Composition. Designed to give training in elements of advanced grammar, including contextualized work in compositions and written exercises (College Writing 2 course). Prerequisite: SPAN 2043 or equivalent or consent of instructor. Fall and Spring.</p>

Natural Sciences

<p>Biology</p>	<p>Require Biology BA students to take one course from Microbiology (BIOL 3014), Genetics (BIOL 4054), and Cell & Molecular Biology (BIOL 4064).</p> <p>Participation in an experimental research project helps students apply classroom knowledge and improves student problem-solving ability, communication ability, and independence, teaches basic laboratory skills, and gives students a better understanding of the process of science. Participation in a course-based undergraduate research experience (CURE) provides many of the same benefits of a semester- or summer-long research project while allowing more students to participate. Microbiology (BIOL 3014), Genetics (BIOL 4054), and Cell & Molecular Biology (BIOL 4064) all incorporate a CURE; requiring one of these courses for Biology BA students will provide them the benefits of an experimental research project, making them more well-rounded and competitive for future endeavors.</p> <p>Catalog Description</p> <p>B.A. degree: BIOL 1014, 1024, one course from 3014, 4054, 4064, and at least 12 additional hours in the department, including a minimum of 8 Junior-Senior hours. Additionally, eight hours of chemistry are required.</p> <p>The applicable course descriptions will be revised to reflect that they include a CURE.</p> <p>3014. Microbiology. A study of bacteria and other life forms from the standpoint of classification, morphology, physiology and environmental factors, and of the relation of bacteria to water, foods, industrial processes and diseases. The laboratory component of this course incorporates a course-based research experience. Prerequisites: Four hours of Biology; Eight hours of Chemistry; Junior standing. Fall.</p> <p>BIOL 4054 Genetics. This course is a study of the basic principles, theories and mechanisms of heredity in the context of historical Mendelian approaches and modern molecular techniques. It will address transmission genetics, population genetics, quantitative genetics, and molecular genetics. The course incorporates recent research in the presentation and analytical evaluation of course material with a focus on laboratory techniques and molecular mechanisms. The laboratory component of this course incorporates a course-based research experience. Prerequisites: MATH 2063, eight hours of biology and eight hours of chemistry. Spring.</p> <p>BIOL 4064 Cell and Molecular Biology. This course is designed to address general and specific principles of cellular and molecular biology. The course covers basic chemical and physical concepts important to understanding cellular and molecular processes, cell membrane structure and function, storage and expression of genetic information, signal transduction, synthesis and function of cellular membrane systems, cellular interactions, cytoskeletal structure and function, and the cell cycle. The course incorporates recent research in the presentation and analytical evaluation of course material with a focus on laboratory techniques and molecular mechanisms. The laboratory component of this course incorporates a course-based research experience. Prerequisites: BIOL 1014, 2014 or 2024, 8 hours of chemistry. Recommended: CHEM 3004 and 3104. Fall.</p>
<p>Biology</p>	<p>Create an Environmental Studies major (BA degree), with an emphasis in Biology and no minor required.</p> <p>This interdisciplinary program is designed to appeal to students that have an interest in careers focused on a more sustainable future for our world. The incorporative nature of this degree should appeal to students in science, business, political science, and sociology. The program provides a rigorous academic curriculum and will be one of the most interdisciplinary major on our campus.</p> <p>This new degree program will require the creation of a few new courses, listed below.</p> <ul style="list-style-type: none"> • Add a new course, Environmental Sciences, cross-listed in Biology and NSCI as BIOL 3023 and CORE Scientific Connections 3023. <ul style="list-style-type: none"> ○ This course is currently being developed for our Ouachita online offerings. ○ Additionally the course is being proposed as a menu option for the Scientific Connections credit within the CORE program. ○ This course will be taught this spring (2015) on a trial basis by a Biology faculty member and will be taught in the future by a Natural Sciences faculty member.

- This course will be double listed (CORE and BIOL). Those students enrolling for BIOL credit must complete an additional research component.
- Add a new course, **Readings in Environmental Studies**, BIOL 3xx1.
 - This course will be facilitated by Biology faculty and may be taught by any Natural Science faculty
 - This course will be open to Environmental Studies students who have attained sophomore standing.
- Add a new course, **Aquatic Ecology**, BIOL 3xx3.
 - This course will be taught by Biology faculty.
 - This course will be open to any Biology or Environmental Studies student who has completed both BIOL 1014 General Biology (Zoology) and BIOL 1024 General Biology (Botany).
 - *We do not anticipate offering this course prior to Spring 2016 and it will be a spring of even years rotation with an existing upper-level Biology course.*
- Add a new course, **Environmental Law**, NSCI 3xx2.
 - This course has been offered as a Special Topics course (more than 10 years ago)
 - It will be taught by Biology faculty, however faculty from appropriate schools outside of the Patterson School of Natural Sciences will be recruited to help facilitate this course.

Rationale for the BA in Environmental Studies

This Environmental Studies degree proposal is in response to two strategies within the University Strategic Plan. Specifically, Initiative 4, Strategies 2 and 3. Strategy 2 states “Design a new interdisciplinary degree program in ecological and economic sustainability, drawing on our traditions of regional studies, environmental research, and On the Ouachita.” Strategy 3 states “Encourage the development of new academic programs that fit the university mission, address a documented demand, and contain costs by using existing resources or by establishing effective partnership”.

This degree will prepare students who are interested in pursuing sustainable concepts for society. The package of courses designated here has a basis in Biology. However, it also includes business, chemistry, political science, sociology, and statistics courses in order to prepare students to make a difference in state and federal agencies, conservation organizations, and in the public policy arena. Students will also be prepared to pursue graduate work in many fields ranging from wildlife and ecology programs to law school.

Students will follow a prescribed program that has a foundation in Biology but also includes many other disciplines. Even though this proposal does not include a formal minor, students will only need a few additional classes in one of several disciplines (Business, Chemistry, Political Science, and Sociology) to complete a minor. Advisors will encourage students to pursue a minor in one of these fields depending on the student’s interest and career objectives.

Rationale for New Courses

The **Environmental Sciences** course is *currently being developed as an online course to be offered in the Scientific Connections menu beginning in Spring 2015*. This course will be the foundational course for students in this degree track. This course is currently being reviewed by the Interdisciplinary Studies Committee for addition to the Scientific Connections Menu. If approved for BIOL credit this adds an additional course to the choices available for upperclassmen not only in Biology but in the other sciences because it is such an interdisciplinary course. Students taking the Environmental Sciences course for BIOL credit will be required to complete an additional research component.

The **Readings in Environmental Studies** course is a focused variation of the existing Readings in Natural Science course, NSCI 3001. This new Readings course would provide students the opportunity to read and analyze environmental studies writings in cooperation with a Natural Sciences faculty member.

The **Aquatic Ecology** course would be developed by faculty in the Biology Department and become one of the upper level courses that is in a rotation, probably beginning in Spring 2016. Like the Environmental Sciences course above, the Aquatic Ecology course will be an additional option for students across the sciences but especially in Biology. It also adds another field course to our program (lack of field courses has been identified as a weakness of our program).

The **Environmental Law** course would be developed by faculty in the Biology Department with input from appropriate faculty outside of the Patterson School of Natural Sciences. We envision a course that reviews the significance of

environmental legislation as it has developed chronologically, a review of the important case law that has helped guide the US in further developing legislation, and a review of how the legislation has actually affected the environment and economy. This course might also be valuable for students in any discipline that plan to attend law school after completing a degree at Ouachita. We do not anticipate this course being offered before Fall 2017.

At least three of the Natural Sciences faculty have the background necessary to participate in developing these courses. The rotation of these courses with current Biology courses will allow existing faculty to teach these courses; we do not anticipate needing new faculty to offer these courses.

Catalog Description

Environmental Studies degree

The recommended course sequence for Environmental Analysis with a major in Biology and a minor in Chemistry (pages 148-149 of the 2014-2015 General Catalog) will be deleted.

CORE 3023 Scientific Connections: Environmental Science.

BIOL 3023 Environmental Science. The goal of this course is to provide students an interdisciplinary approach to the scientific principles, ideas, and concepts required to better understand our world. The course will cover a variety of environmental issues and controversies to help students understand the relationship between humans and the environment. The scientific method will be utilized to help students identify and analyze environmental problems, primarily focusing on those that are man-made. The course will incorporate concepts from the traditional sciences, primarily ecology, as well as the disciplines of economics, history, sociology, and political science. Upon completing the course, students should be able to explain human interaction with the environment. Students taking this course for BIOL credit will be required to complete an additional research component. Prerequisite: CORE 2334 Scientific Inquiry or BIOL 1014 General Biology (Zoology). Online, Spring and Summer.

BIOL 3xx1 Readings in Environmental Studies. In this course, students will analyze writings in environmental studies. This course may only be taken by Environmental Studies majors. Prerequisite: sophomore standing. On Demand.

BIOL 3xx3 Aquatic Ecology. This course provides a general introduction to freshwater ecology, covering the biological communities and chemical and physical characteristics of freshwater ecosystems. Students will become familiar with limnological and ecological research techniques and will learn how theoretical ecological concepts and methods can be integrated to address applied problems in aquatic ecology. Prerequisites: BIOL 1014 General Biology (Zoology) and BIOL 1024 General Biology (Botany). Spring of even years.

NSCI 3xx2 Environmental Law. The goals of this course are to acquaint students with the primary environmental legislation impacting the United States, review the challenges and opportunities that have been presented as a result of regulations, and to refine the thinking and analytical skills associated with this area. The historical aspects of both environmental law and the associated regulations will be emphasized. This course will use a combination of lectures, class discussions, and case studies. Students will be required to provide oral presentations. Prerequisites: BIOL 3023 or CORE 3023. Fall of odd years.

Ouachita Baptist University**Degree: BA****Major: ENVIRONMENTAL STUDIES**

COMMON CORE		Credit Hours
All students take the following courses.		
CORE 1002	OBU Connections	2
CORE 1023	The Contemporary World	3
CORE 1043	Composition I	3
CORE 1113	Survey of the Bible	3
CORE 1123	Interpreting the Bible	3
CORE 2213	Western Civilization in Global Context	3
CORE 2233	World Literature	3
CORE 2334	Scientific Inquiry (Satisfied in Major)	-
CORE 3023	Scientific Connections (Satisfied in Major)	-
FLEXIBLE CORE		
Choose as indicated from each of the seven categories		
Analytic and Quantitative Reasoning (Satisfied in Major)		-
MATH 1003	College Algebra	
MATH 1033	Mathematics for the Liberal Arts	
PHIL 1003	Introduction to Philosophy	
PHIL 1023	Logic	
* Students with ACT math score of 22 or less (SAT 530 or less) must choose one of the MATH courses.		
Applied Skills (Satisfied in Major)		-
COMM 1003	Fundamentals of Public Speaking	
FINN 2003	Personal Finance	
Artistic Engagement (one course)		3
FINA 3113	Fine Arts: Art	
FINA 3123	Fine Arts: Music	
FINA 3133	Fine Arts: Theatre	
**Upon approval by the Dean of Interdisciplinary Studies, participation in either the European Study Program or the Beijing Summer Study Program earns 3 hours of generic Fine Arts credit.		
Civic Engagement in America (Satisfied in Major)		-
PSCI 2013	American National Government	
SSCI 2113	American Civilization	
Intercultural Appreciation and Communication (two courses)		6
May also be satisfied by approved language-intensive study-abroad experience in a non-English-speaking country.		
CHIN, FREN, GERM, GREK, HEBR, LATN, JAPN, SPAN	Two semesters of credit in the same foreign language. (May also be satisfied by approved language-intensive study-abroad experience in a non-English-speaking country.)	
Physical Well-being (one course)		2-3
KIN 1002	Concepts of Wellness	
KIN 2073	Health and Safety	
LST 2013	Outdoor Leisure Pursuits	
EXPERIENTIAL CORE		
CHAP 1000	Chapel (7 credits required)	0
FINA 4011	Arts Engagement Series	1
PASS 1XX0	OBU Passport	0
TOTAL Credit Hours for CORE Curriculum		32-33

§ Students will be encouraged to pursue a minor in Sociology, Political Science, or Business.

Year: 2015-2016

MAJOR		Credit Hours
BIOL 1014	General Biology (Zoology)	4
BIOL 1024	General Biology (Botany)	4
BIOL 3023	Environmental Sciences	3
BIOL 3034	Ecology	4
BIOL 3663	Wildlife Cons and Mgmt (one course)	3
BIOL 3xx3	Aquatic Ecology	
BIOL 3014	Microbiology (one course)	4
BIOL 4054	Genetics	
BIOL 3xx1	Readings in Environmental Studies	1
BIOL 4xx1	Capstone for BA in Biology	1
NSCI 3xx2	Environmental Law	2
CHEM 1004 & CHEM 1014	General Chemistry I & General Chemistry II	8
CHEM 1024 & CHEM 1034	Fundamentals of Chemistry & Fund of Org and Biol Chemistry	
MATH 2063	Elementary Statistics	3
SOCI 1003	Introduction to Sociology	3
SOCI 3043	Sociology of the Community	3
PSCI 2013	American National Government	3
PSCI 4033 or PSCI 4033	Public Policy (one course) / Public Administration	3
ENGL 3013	Technical and Professional Writing	3
FINN 2003	Personal Finance	3
FINN 4043	Real Estate Principles	3
ECON 1013	Survey of Economics (one course)	3
MGMT 3043	Organizational Behavior and Mgmt	3
BUAD 3003	Legal Environment of Business	
PHIL 1003 or PHIL 1023	Introduction to Philosophy (one course) / Logic	3
LST 3013	Program Design and Management or Summer Internship	2-3
TOTAL Credit Hours for Major		69-70
RECOMMENDED ELECTIVES		
COMM 1003	Fundamentals of Public Speaking	3
CHEM XXXX	Any add'l CHEM, MATH or PHYS course	3-4
MATH XXXX		
PHYS XXXX		
SSCI 2113	American Civilization	3
LST 2013	Outdoor Leisure Pursuits	3
Any additional courses in Business, History, Natural Sciences, Political Science, or Sociology ^s		9
TOTAL Credit Hours for RECOMMENDED ELECTIVES		21-22
CREDIT HOUR SUMMARY		
CORE		32-33
MAJOR		69-70
RECOMMENDED ELECTIVES		21-22
TOTAL		122-125
GENERAL GRADUATION REQUIREMENTS		
Chapel Credits = 7 or 1 per semester for transfer students		
GPA (overall, OBU, major, and minor) = 2.0		
At least 24 hours with grades of C or higher in the major		
Junior-Senior Hours: At least 39 total, including at least 12 in the major and at least 6 in the minor		
Residency: 30 of last 36 hours must be taken at OBU		

Revised October 20, 2014

<p>Biology short form</p>	<p>Reduce the required number of clinical shadowing hours for the Biomedical Sciences BS degree from 200 to 120.</p> <p>Changes to the regional healthcare landscape, including those mandated by the Affordable Care Act, will likely make it difficult for each student to obtain 200 clinical shadowing hours.</p> <p>Catalog Description</p> <p>Requirements for Biomedical Scholars Program (B.S. degree in Biomedical Sciences with a minor in Chemistry): BIOM 1XX2 (Freshman Research Experience), BIOM 2xx3 (Business of Healthcare), BIOL 2014 and 2024, BIOL 3xx3 (Bioinformatics), BIOM 3xx1 (Biomedical Sciences Seminar; taken twice for credit), BIOL 4001, BIOL 4054, BIOL 4241, BIOL 4xx2 (Biology Capstone Course); one course from BIOL 3014 or BIOL 4064; one course from BIOL 3064, BIOL 4013, BIOL 4243, or a BIOL field course; one course from BIOM 4aa3 (Medical Physics) or BIOM 4bb3 (Medicinal Chemistry). A minor of at least eighteen hours must be completed in Chemistry. Additionally, the following courses are required: COMM 1003 or SPCM 1003; ENGL 3013; HUM 4011; MATH 2014, MATH 2063; NSCI 2001, NSCI 4002; PHYS 2xx4 and 2xx4 (College Physics I & II) or PHYS 2yy4 and 2yy4 (University Physics I & II); one course from PSYC 1013 or SOCI 1003; one course from PSYC 3013 or SOCI 4073; SERV 2000 (two semesters required). Further, students must participate in a pre-matriculation Biomedical Sciences Bootcamp, take courses at an international university as a study abroad experience, collect OBU Passport stamps to equal 120 hours of clinical shadowing, prepare and deliver one on-campus and one off-campus research presentation, and apply for at least two off-campus summer research positions. <i>Note: parenthetical course labels would be removed for the catalog listing.</i></p>
<p>Biology short form</p>	<p>Move the sentence “For Travel Study trips, multiple trips may be taken, but only one travel course will count toward the minimum hours for a Biology major or minor.” from the On the Ouachita course description to the general Biology degree requirements section.</p> <p>At the time that the On the Ouachita course description was put into the catalog, it was the only recurring Biology travel study course. Thus, the policy statement prohibiting multiple travel study courses for Biology credit was imbedded within the On the Ouachita course description.</p> <p>Because the Biology department now offers multiple travel study courses, we think it prudent to move the travel course policy statement to the general Biology degree requirements section of the catalog to ensure that students and advisors are aware of this pre-existing policy.</p> <p>Catalog Description</p> <p>All courses in this department require a grade of C or better in the prerequisite course(s) or consent of the Department Chair to enroll in subsequent courses. For Travel Study trips, multiple trips may be taken, but only one travel course will count toward the minimum hours for a Biology major or minor.</p> <p>4783 On the Ouachita. An interdisciplinary and place-based approach to environmental sciences. The course incorporates perspectives from disciplines such as history, natural science, ecology and leisure studies and requires field work and travel after the end of the regular semester. Also listed as HIST 4783, LST 4783, and PHIL 4783. Consent of Instructor. On Demand.</p>
<p>Chemistry</p>	<p>Convert Biochemistry from a 1 semester course to a 2-semester sequence.</p> <p>The material that needs to be covered in an introductory Biochemistry course has increased in recent years. In addition, the amount of content relevant to biochemistry which our students have covered and/or mastered in the pre-requisite Organic Chemistry course has decreased. The expectations by external constituencies, such as professional schools, for what students will take out of undergraduate biochemistry have increased. Both the medical and pharmacy school admission exams have now added Biochemistry to the content they test prior to admission. The impact of this expectation can be seen in the increase in enrolment from an average of 14 in 2009-2011 to 24 in 2012 to 36 in 2013-2014.</p> <p>We have done a trial run of the course in a 2-semester format during the 2013-2014 academic year. The switch of our</p>

course from one semester to 2 semesters allowed for more effective teaching of the necessary content.

The first semester of the course is required only for the major in Professional Chemistry; it is an elective for the major and minor in Chemistry. The second semester is an elective—it is not required by any program. The trial run of the 2nd semester in spring 2014 had 10 students who finished the course.

Catalog Description

CHEM 4023 Biochemistry 1. An introduction to some of the fundamental concepts of biochemistry. The structures of proteins, lipids and biological membranes are covered, with a particular focus on the 3-dimensional structure of proteins and how structure produces the patterns of chemical reactions by and regulation of enzymes. The course builds up to an examination of the organization of enzymes into regulatory networks that respond to extracellular stimuli. Lecture three hours per week. Prerequisite: CHEM 3104. Fall.

CHEM 4043 Biochemistry 2. This course continues the introduction to some of the fundamental concepts of biochemistry. The principles of bioenergetics will be covered, followed by an examination of the extraction of energy from glucose, lipids and amino acids. The biosynthesis of carbohydrates, lipids, amino acids and nucleotides will be examined with particular emphasis on the interconnections between the metabolism of these compounds. The course builds up to an examination of the regulation of energy metabolism by insulin and glucagon. Lecture three hours per week. Prerequisite: CHEM 4023. Spring.

Physics short form

Change Electric Circuits and Electric Circuits Lab to fall of odd years and Mechanics to fall of even years. Slight change to Circuits lab description.

The Electric Circuits Lab course was added recently because the University of Arkansas changed their engineering circuits course from a 3 hour to a 4 hour with lab. As such, they would no longer accept our course for transfer credit unless we match their offering. However, they allowed us to simply add a lab to our course to be taken with our existing circuits class to count as the four hours needed. The issue is, we now have two courses during the same semester that have labs and use our only advance lab room. Both labs are too large to share, so we need to split up the semester offerings between Modern Physics and Circuits. By switching Circuits and its lab with Mechanics, we keep our semester loads balanced. After careful review, no students will be affected by this change.

We also needed to be more descriptive to the Lab course catalog entry.

Catalog Description

PHYS 3123 Electrical Circuits

<keep wording>

Fall of odd-numbered years.

PHYS 3131 Electrical Circuits Laboratory.

Experimental investigation of the steady-state behavior of resistive circuits excited by DC sources. Topics include measurement procedures and equipment usage, fundamental laws of circuit theory applied to resistive networks and transient behavior of simple R, L, and C circuits. Pre/Corequisite: PHYS 3123. Fall of odd-numbered years.

PHYS 4003 Classical Mechanics

<keep wording>

Fall of even-numbered years.

Social Sciences

Political Science	<p>Change PSCI 3072 Washington Seminar to a three-hour course listed in two parts, PSCI 3070 Washington Seminar Preparation (Fall) and PSCI 3073 Washington Seminar (Winter).</p> <p>Making the Washington Seminar a three-hour course enables more in-depth examination of political entities students encounter during the course’s culminating trip to Washington, D.C. Structuring it in two parts is consistent with other courses that have experiential learning components (e.g., European Study Tour and Model U.N. with Practicum).</p> <p>Catalog Description PSCI 3070 Washington Seminar Preparation. An in-depth topical study and analysis of American national political institutions and processes. Serves as academic preparation for PSCI 3073, the capstone trip to Washington, D.C. Fall.</p> <p>PSCI 3073 Washington Seminar. A learning experience in Washington, D.C. that explores the American national political institutions and processes covered in PSCI 3070. Prerequisite: PSCI 3070. Winter.</p>
History	<p>Delete SSCI 2113 American Civilization.</p> <p>The American Civilization Committee of the History Department proposed that this course be removed from the Civic Engagement in America menu in the Ouachita Core Curriculum and replaced with two history courses, United States History to 1877 and United States History Since 1877. The Interdisciplinary Studies Committee approved this change. Therefore, American Civilization will no longer be offered. The other two courses will be included, along with American National Government, in the menu.</p>
History Short form	<p>Change time of offering for United States History to 1877 and United States History Since 1877.</p> <p>Since both courses will be part of the Ouachita Core, the department would like to offer at least one section of each course every semester.</p> <p>Catalog Description HIST 2003 United States History to 1877. Survey of the interplay of forces that have brought the evolutionary development of American economic, cultural, and political institutions from 1492 to 1877. Fall, Spring.</p> <p>HIST 2013 United States History Since 1877. Survey of the interplay of forces that have brought the evolutionary development of American economic, cultural and political institutions from 1877 to the present. Fall, Spring.</p>