FINAL: 10/27/14 Revised 12/15/2014

# MINUTES OF THE MEETING OF THE ACADEMIC POLICIES AND PROCEDURES COMMITTEE October 1, 2014

The AP&P Committee met on Wednesday, October 1, 2014 at 3:00 p.m. in the William C. Strickland Conference Room of I.G. Greer Hall.

Committee members present: Dr. Jon Beebe, Dr. Kim Hall, Dr. Ellie Hoffman, Dr. Joe Klein, Dr. Kathleen Lynch-Davis, Mr. Jason Miller, Mr. Edgar Peck, Dr. Janice Pope, Dr. Ben Powell, Dr. Rene Salinas, Mr. John Wiswell, Mr. Mason Calhoun, Ms. Abby Hamrick, Ms. Paige Marley, Mr. Carson Rich

Committee members excused: Dr. Dinesh Davé

At 3:04 p.m., Mike Mayfield noted that we have a quorum and he called the meeting to order. New and returning members were introduced. Dr. Mayfield reminded the committee that the official vote is by voice.

#### **ELECTION OF CHAIR:**

Dr. Mike Mayfield opened the floor for nominations for the position of Chair of the Academic Policies and Procedures Committee. A motion was made and seconded to nominate Ben Powell.

#### **VOTE 1 – To close nominations – PASSED**

Hearing no other nominations or objections, a motion was made to approve Ben Powell as Chair of the AP&P Committee for the 2014-15 academic year.

## **VOTE 2 – To approve Ben Powell as chair - PASSED**

# **SELECTION OF A PARLIAMENTARIAN:**

The next item on the agenda was to select a Parliamentarian for the AP&P Committee. This committee is run by *Robert's Rules of Order*. Dr. Powell asked for nominations or volunteers from the voting members who would be interested and willing to serve as the Parliamentarian.

Paige Marley nominated Abby Hamrick.

## **VOTE 3 - To close nominations - PASSED**

Hearing no objections, a motion was then made to approve Abby Hamrick as Parliamentarian of the AP&P Committee for the 2014-15 academic year.

### **VOTE 4 - To approve Abby Hamrick as Parliamentarian - PASSED**

## **MINUTES**

April 30, 2014

## VOTE 5 – To approve the April 30, 2014 minutes - PASSED

#### **Announcements**

1. "For Information Only" memo/list of items approved by the General Education Council on September 26, 2104. (Effective: Fall 2015)

## • Theme Proposals for Integrative Learning Experience

Appalachian Mountains: Community, Culture, and Land Critical Consciousness: Learning for Equity and Justice

**Cultivating Creative Expression** 

Experiencing Inquiry: How to Ask Questions How We Know What We Know About the Past

How We Tell Stories

Imagination, Innovation, and Meaning Intersections: Race, Class, and Gender

Las Americas

Sustainability and Global Resources

War and Peace

American Life: Past and Present\*
Empire, Colonialism, and Globalization\*

Revolutions and Social Change\*

# • GEN ED: Capstone Experience

ENG 4826 Capstone In the Age of Chaucer

- 2. A revision was required to the system wide <u>Academic Standing Policy</u> per UNC-General Administration. See attached document at the end of the minutes.
- 3. The "Maximum Transfer Hours" Proposal, originally approved by AP&P on January 16, 2012 for implementation in Fall 2013 will be delayed until Fall 2014. See attached document at the end of the minutes.
- 4. RCOE announces a new Second Academic Concentration: Language, Literacy, and the English Learning. See attached document at the end of the minutes.
- 5. Department changes approved by the Chancellor over the summer.
  - The Department name of <u>Computer Information Systems (CIS)</u> was changed to the Department of <u>Computer Information Systems and Supply Chain</u> <u>Management (CIS)</u> effective Fall 2014.
  - The <u>Bachelor of Arts in Economics (45.0601)</u> with four concentrations was moved from the College of Arts and Sciences to the Walker College of Business effective July 1, 2014.
  - The name of the <u>Watauga Global Community (WGC)</u> was changed to <u>Watauga Residential College (WGC)</u> effective Fall 2014.

<sup>\*</sup>Name will be changed to differentiate from current Gen Ed theme

# **New Business**

Order of Presentation:
Reich College of Education
College of Arts and Sciences

The proposals from the Reich College of Education were presented for the Department of Human Development and Psychological Counseling, the Department of Reading Education and Special Education, and Department of Family and Consumer Sciences.

The proposals from the Department of **Human Development and Psychological Counseling** were approved as follows: (EFFECTIVE: FALL 2015)

COE HPC MFT 2014 1 Course Addition:

HPC 6525. Advanced Systemic Multicultural Counseling (3).S. An exploration of counseling issues related to a culturally diverse client population. Prerequisite: HPC 5110.

COE\_HPC\_MFT\_2014\_2 Add a graduate certificate in Systemic Multicultural Counseling

(447A/51.1505) in the department of Human Development and

Psychological Counseling. The new program of study is at the end of

the minutes.

# VOTE 6 - To approve the proposals from HPC - PASSED

The proposals from the Department of **Reading Education and Special Education** were approved as follows: (EFFECTIVE: FALL 2015)

COE\_RESE\_2014\_1 Delete the <u>post-master's graduate certificate in Reading Education</u>

(475A/13.1315).

Add a graduate certificate in <u>Reading Education (449A/13.1315)</u> in the department of Reading Education and Special Education. The new

program of study is at the end of the minutes.

### **VOTE 7 – To approve the proposals from RESE – PASSED**

The proposals from the Department of **Family and Consumer Sciences** were approved as follows: (EFFECTIVE: FALL 2015)

COE\_FCS\_2014\_01 Delete the Bachelor of Science in Child Development: Birth Through

Kindergarten (524A/13.1209)[T]. Contingent upon approval by UNC-GA.

COE\_FCS\_2014\_02 Add a concentration in <u>Birth Through Kindergarten (510G)[T]</u> to the

Bachelor of Science in Child Development (510\*/19.0706). The new

program of study is at the end of the minutes.

# **VOTE 8 – To approve the proposals from FCS - PASSED**

Dr. Dru Henson presented the proposals from the College of Arts and Sciences for the Department of Chemistry, the Department of Computer Science, Department of English, and Department of Physics and Astronomy.

The proposals from the Department of **Chemistry** were approved as follows: (EFFECTIVE: FALL 2015)

CAS\_CHE\_2013\_05

Change the prerequisite statement for <u>CHE 4000. Chemistry Seminar</u> to read as follows:

"Prerequisites: CHE 3000, CHE 3301, and CHE 3303.

POS affected: 214B, 214D, 214E, 214F, 214H, 214I, 216A

CAS\_CHE\_2013\_06

Change the prerequisite statement for <u>CHE 4620. Environmental</u> <u>Chemistry</u> and make a grammatical change to the course description to read as follows:

CHE 4620. Environmental Chemistry (4).S.

GEN ED: Capstone Experience

A capstone course for students pursuing a concentration in Environmental Chemistry, this course will focus **on** the wide diversity of subject matter required by this major. The course will involve discussions and applications of air, water and soil chemistry while giving the student an appreciation of the scientific, legal, political and economic issues inherent in Environmental Chemistry. Lecture three hours, laboratory three hours. Prerequisites: CHE 3301, CHE 3303, CHE 3560, CHE 3561, STT 3850.

POS affected: 214G, 121A

CAS\_CHE\_2013\_07

Change the prerequisite statement for <u>CHE 3560</u>. <u>Instrumental Methods</u> of Analysis to read as follows:

"Prerequisite: CHE 3301, CHE 3303. Corequisite or prerequisite: CHE 3561."

POS affected: 214B, 214G, 214H, 214I, 216A, 121A, 214

CAS CHE 2013 08

Change the course description, prerequisite statement, and semester offering for CHE 3404. Inorganic Chemistry to read as follows:

CHE 3404. Inorganic Chemistry (3).F.

The fundamentals of atomic theory and valence bond, ligand field and molecular orbital theories for interpretation of chemical bonding are considered in detail. Applications of these theories to the magnetic and spectral properties, structure, stability, and reaction mechanisms of inorganic compounds are examined, with emphasis on the transition metals. Symmetry and group theory are used to describe relevant physical and spectral information about molecules, orbital symmetries, allowed transitions between energy levels, and bond orders. The role of metal atoms in organometallic and bioinorganic molecular systems is considered. Lecture three hours. Prerequisites: CHE 2101/2102 or CHE 2202/2204; CHE 2210/2211.

POS affected: 214B, 214D, 214E, 214F, 214G, 214H, 214I, 214J, 216A,

CAS\_CHE\_2013\_09

Change the course description and semester offering for <u>CHE 3405</u>. Inorganic Chemistry Laboratory to read as follows:

# CHE 3405. Inorganic Chemistry Laboratory (1).F.

Experimental investigations which supplement the study of inorganic chemistry. Students will use a variety of methods to synthesize inorganic compounds and analyze them using techniques including magnetic susceptibility, multinuclear NMR, UV-Vis spectroscopy, infrared spectroscopy, and electrical conductance. Laboratory three hours. Corequisite or prerequisite: CHE 3404.

CAS\_CHE\_2013\_10

Revise the program of study for the <u>Bachelor of Arts in Chemistry</u> (216A/40.0501). The revised program of study is at the end of the minutes.

Revise the programs of study for the <u>Bachelor of Science in Chemistry</u> (214B, 214D, 214E, 214F, 214G, 214H, 214I, 214J/40.0501). The revised programs of study are at the end of the minutes.

CAS\_CHE\_2013\_11

Revise the program of study for the minor in Chemistry (214/40.0501). The revised program of study is at the end of the minutes.

# **VOTE 9 – To approve the proposals from CHE - PASSED**

The proposals from the Department of **Computer Science** were approved as follows: (EFFECTIVE: FALL 2015)

CAS CS 2013 04

Change the course description, credit hours, and semester offering for CS 5100. Seminar in Computer Science to read as follows:

### CS 5100. Seminar in Computer Science (3).S.

Discussion and presentation of current topics in computer science. Each student will make oral and written reports on the results of research conducted on an instructor approved topic. Professional development aspects are also covered, including resume writing and interviewing skills. Prerequisite: graduate status in computer science.

CAS\_CS\_2013\_05

#### Course Addition:

### CS 5900. Internship (1-3).On Demand.

Independent, supervised work in computing for an approved agency, business, or organization. Prerequisite: prior approval of the departmental internship coordinator. Graded on an S/U basis.

CAS CS 2013 10

## Course Addition:

# CS 5998. Thesis Preparation (3).F;S.

The student develops the thesis proposal, carries out research for the thesis topic, and meets regularly with the thesis advisor to develop the thesis. First half of a two-semester thesis requirement; the student also must complete CS 5999. CS 5998 may be repeated, but only three semester hours of credit may be applied to a graduate Program of Study. Graded on an S/U basis.

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CAS\_CS\_2013\_11 Change the prerequisite statement for <u>CS 5999</u>. Thesis to read as

ollows:

Prerequisite: CS 5998. Graded on an SP/UP basis until the thesis has been successfully defended and received final approval, at which time

all grades will be changed to S.

CAS\_CS\_2013\_12 Revise the program of study for the Master of Science in Computer

Science (224A/11.0701). The revised program of study is at the end of

the minutes.

## **VOTE 10 – To approve the proposals from CS - PASSED**

The proposals from the Department of **English** were approved as follows: (EFFECTIVE: FALL 2015)

CAS ENG 2013 30 Course Addition:

ENG 4825. The Age of Chaucer (3).F.Even-numbered years.

An in depth study of the literature of the High Middle Ages in England, focusing on the writings of Chaucer and his contemporaries, and including religious and secular lyrics, mystical writing, courtly romance,

religious drama, chronicle, and writing by and about women.

ENG 4826. Capstone in the Age of Chaucer (3).F.Even-numbered years.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on the writings of Chaucer and his contemporaries and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

CAS ENG 2013 32

Change the course title and description for <u>ENG 4821. Capstone in</u> Medieval British Literature to read as follows:

ENG 4821. Capstone in Medieval British Literature (3).F.

GEN ED: Capstone Experience

A senior capstone experience in the presentation and discussion of current topics in literary study, focused on Medieval British literature and culminating in an independent research project. Fulfills the capstone requirement for the Bachelor of Arts degree in English. Prerequisites: ENG 3000, senior standing, and permission of the instructor.

CAS ENG 2013 33

Revise the program of study for the <u>Bachelor of Arts in English with a concentration in Creative Writing (233B/23.0101)</u>. The revised program of study is at the end of the minutes.

Revise the program of study for the <u>Bachelor of Arts in English with a concentration in Literary Studies (233E/23.0101)</u>. The revised program of study is at the end of the minutes.

Revise the program of study for the <u>Bachelor of Science in English</u>, <u>Secondary Education (234A/13.1305)[T]</u>. The revised program of study is at the end of the minutes.

CAS\_ENG\_2014\_01

Delete the <u>Master of Arts in English</u>, <u>Education (235\*/13.1305) with concentrations in Secondary School Teaching (235S)[T]</u>. This was already approved by UNC-General Administration in April 2013. This is to remove it from the ASU academic program inventory. (Effective Fall 2014)

VOTE 11 - To approve the proposals from ENG - PASSED

The proposals from the Department of **Physics and Astronomy** were approved as follows: (EFFECTIVE: FALL 2015)

CAS\_P&A\_2013\_02

Change the course description, credit hours, and semester offering for PHY 4210. Methods of Experimental Physics to read as follows:

PHY 4210. Methods of Experimental Physics (4).F;S.

GEN ED: Capstone Experience

Measurement theory, analysis, interpretation and evaluation of data experiment design and scientific report writing. A limited number of advanced laboratory experiments will be performed which illustrate important concepts and methods. Literature searches, written reports and some oral reports will be required. Lecture two hours, laboratory three hours. Prerequisite: PHY 2210. (WRITING; SPEAKING)

POS affected: 270B, 270C, 269A

CAS P&A 2013 03

Revise the program of study for the <u>Bachelor of Arts in Physics</u> (269A/40.0801). The revised program of study is at the end of the minutes.

Revise the program of study for the <u>Bachelor of Science in Physics with a concentration in Applied Physics (270B/40.0801)</u>. The revised program of study is at the end of the minutes.

Revise the program of study for the <u>Bachelor of Science in Physics with</u> <u>a concentration in Secondary Education (270C/40.0801).</u> The revised program of study is at the end of the minutes.

### **VOTE 12 – To approve the proposals from P&A - PASSED**

### **OLD BUSINESS**

- Mike Mayfield recommended bringing back the subcommittee for reviewing/updating policy and procedures, removing redundant information, and updating the Academic Governance Manual (formerly called AP&P Manual).
- Susan Davies recommended creating a subcommittee for reviewing the electronic curriculum process in preparation for new Curriculum software.
- Ben Powell asked for volunteers. Edgar Peck volunteered to be the chair of the Committee on Policies and Procedures along with John Beebe, Julie Hayes, Kristin Hyle, Ben Powell, Susan Davies, and Patty Dale. Ben Powell volunteered to be chair of the Committee on Curriculum Management Software along with Mason Calhoun, Patty Dale, Julie Hayes, and Rene Salinas.

#### **OTHER**

# <u>ADJOURNMENT</u>

**VOTE 13 – To approve adjournment - PASSED** 

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# ACADEMIC POLICIES AND PROCEDURES COMMITTEE October 1, 2014 Unofficial Vote Record

Committee Members	1	2	3	4	5	6	7	8	9	10		
Jon Beebe	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		
Dinesh Davé	-	-	-	-	-	-	-	-	-	-		
Kim Hall	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		
Ellie Hoffman	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		
Joe Klein	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		
Kathleen Lynch-Davis	Υ	Υ	Υ	Υ	Α	Υ	Υ	Υ	Υ	Υ		
Jason Miller	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		
Edgar Peck	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		
Janice Pope	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		
Ben Powell	Υ	Α	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		
Rene Salinas	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		
John Wiswell	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		
Mason Calhoun	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Α	Υ	Υ		
Abby Hamrick	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		

The recommendations from the October 1, 2014 Academic Policies and Procedures Committee meeting are approved. Proposal CAS\_ENG\_2014\_01 to delete the Master of Arts in English, Education (235\*/13.1305) will take effect FALL 2014.

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Υ

Stan R. Aeschleman

Υ

Υ

Υ

Paige Marley

Carson Rich

10-27-2014

Υ

Υ

Stan R. Aeschleman Date Interim Provost and Executive Vice Chancellor

To: Dr. Lori Gonzalez, Provost and Executive Vice Chancellor

From: Dr. Andrea C. Wawrzusin, University Registrar

Date: June 27, 2014

Re: Revision to the Academic Standing Policy changes

There were several academic policies changed effective Fall 2014 to be in compliance with UNC Policy Manual 400.1.5 [R], Fostering Undergraduate Student Success. One of the policies updated was the Academic Standing Policy. We were required to add term GPA and ratio of attempted to completed semester hours to our academic standing policy in addition to our cumulative GPA minimum. It was announced at a couple UNC annual meetings this month that the system-wide policy is being changed to no longer require the addition of a term GPA component.

As a result of this change, and in consultation with the implementation group, Mike Mayfield and Susan Davies, I would like to respectfully request a modification to our recently approved changes to the Academic Standing policy that removes the requirement of a 2.0 term GPA.

# Academic Standing Policy as recently approved for the Fall 2014 Undergraduate Bulletin:

To continue at Appalachian in good academic standing, or to return to good-standing after being on probation, undergraduate students must maintain, as a minimum, all of the following:

- 1. a 2.0 term grade point average
- 2. a 2.0 cumulative grade point average
- 3. a satisfactory ratio of 67% attempted hours to earned semester hours

Failure to earn a minimum grade point average of 2.0 in either an individual semester or in the cumulative grade point average, or a satisfactory ratio of 67% attempted hours to earned semester hours, will automatically place the student on academic probation. The satisfactory ratio of attempted hours to semester hours is equivalent to the percentage set by Federal Title IV regulations for Satisfactory Academic Progress. Academic Standing is calculated at the end of each semester, including Summer Session. (Note: The cumulative grade point average earned through Appalachian is computed ONLY on the basis of coursework taken at Appalachian; i.e., grades earned on coursework taken through other collegiate institutions are not computed in or allowed to affect the grade point average at Appalachian, and therefore not used to determine academic standing.) This academic standing policy is effective for all new, continuing and returning undergraduate students enrolled Fall 2014 and after.

While on academic probation, however, a student will, within the limits prescribed below, be allowed to continue:

1. An undergraduate, whether admitted as a freshman, a transfer, or a special (non-degree seeking) student, will be allowed to enroll for a maximum of two (2) fall or spring semesters while carrying a cumulative grade point average below 2.0. The two allowed semesters of probation are cumulative and do not necessarily have to be consecutive terms.

2. The Dean of the student's college or school, or the Director of University College Advising, may choose to attach specific requirements while the student is enrolled on academic probation. These requirements may include, but are not limited to, special advising sessions, a limitation on the number of credit hours taken, a requirement that certain courses be repeated, enrollment in developmental courses, etc.

# Academic Standing Policy amendment I am requesting for the Fall 2014 Undergraduate Bulletin:

To continue at Appalachian in good academic standing, or to return to good-standing after being on probation, undergraduate students must maintain, as a minimum, each of the following:

- a 2.0 cumulative grade point average
- a satisfactory ratio of 67% attempted hours to earned semester hours

Failure to earn a minimum grade point average of 2.0 in either an individual semester or in the cumulative grade point average, or a satisfactory ratio of 67% attempted hours to earned semester hours, will automatically place the student on academic probation. The satisfactory ratio of attempted hours to semester hours is equivalent to the percentage set by Federal Title IV regulations for Satisfactory Academic Progress. Academic Standing is calculated at the end of each semester, including Summer Session. (Note: The cumulative grade point average earned through Appalachian is computed ONLY on the basis of coursework taken at Appalachian; i.e., grades earned on coursework taken through other collegiate institutions are not computed in or allowed to affect the grade point average at Appalachian, and therefore not used to determine academic standing.) This academic standing policy is effective for all new, continuing and returning undergraduate students enrolled Fall 2014 and after.

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- 2. The Dean of the student's college or school, or the Director of University College Advising, may choose to attach specific requirements while the student is enrolled on academic probation. These requirements may include, but are not limited to, special advising sessions, a limitation on the number of credit hours taken, a requirement that certain courses be repeated, enrollment in developmental courses, etc.

The "Maximum Transfer Hours" Proposal, originally approved by AP&P on January 16, 2012 for implementation in Fall 2013 will be delayed until Fall 2014. This delay was requested by the Office of Transfer Articulation, after receiving input from representatives from University College Advising, General Education, Distance Education, Registrar's Office, Financial Aid, WCOB, and Arts & Sciences. The Provost supported and approved the delay based upon recently identified implementation complications that would adversely affect students. Implementation conversations will continue with the aforementioned offices/units, and other groups. This policy, in short, capped the number of transferable credit hours at 72 semester hours from 2-year institutions and 90 semester hours total (2 and 4 year institutions).

Additionally the following steps will be taken:

- -The policy will be deleted from the draft version of the 2013-2014 Undergraduate Bulletin by the Registrar's Office.
- -The policy statement will be deleted from the OTA web site.

As the Advising Planner distributed to students at orientation is a printed piece, there is no way to remove the information; but, academic advisors involved with orientation will be notified of the delay. The UC advisors have not been talking with students about the policy; so, we see the current text in the Advising Planner as having a minimal impact.

Thank you, again, for your understanding and support of this situation,

Susan Davies

Last modified: Thursday, September 19, 2013, 1:32 PM

MEMO TO: A. P. & P. Committee

MEMO FM: David A. Wiley, Associate Dean, RCOE

MEMO RE: RCOE approval of one new Second Academic Concentration (SACs)

DATE: 15 September 2014

In many states, it has been common to have had a requirement for a "Second Academic Concentration" (SAC) in teacher preparation programs. The notion of requiring a SAC arose in an era of public perception that a major in a professional education program alone does not represent the kind of academic rigor to which teacher candidates should be exposed. Many programs of teacher preparation within and outside of the Reich College of Education still require the SAC as a time-tested and honored component that adds rigor to teacher education programs. The programs requiring a SAC include elementary education (K-6), business education (6-12), health education (9-12), middle grades education (6-9), physical education teacher education (PETE, K-12), and technology education (6-12). The Appalachian State University Undergraduate Bulletin, 2014-2015, mentions the SAC on page 39 as one of eight threats to degree completion (warning against additional elected SACs); page 116 as an exclusion to the service learning program; page 276 in RCOE BS Degree Requirements (#11), and in several places in the Curriculum Instruction Department (beginning on page 281), home of the majority of the programs mentioned above. There is, however, no list of specific SAC areas, although the Bulletin cautions students to consult with advisors before selecting an appropriate SAC.

The easiest way to locate a list of SACs is to go to <a href="http://rcoe.appstate.edu/academics/second-academic-concentrations">http://rcoe.appstate.edu/academics/second-academic-concentrations</a> to find 89 SACs. The Teacher Education program does not have students in all of the SACs, but responds to the history of student enrollment and to the pressure of the market. Students who are studying in the technology education program will, as an example, very likely be advised to complete the Sustainable Design and Technology SAC, and the Social Studies Elementary Education SAC fits well into the program of study for elementary educators. Yet school districts have needs that seem to arise from time to time. To that end, several SACs were edited over this past summer with new course numbers and/or adjustments to content to more effectively address the subject area. SACs also need to respond quickly to the needs of the school and in order to allow the academic departments to adjust their SACs for enrollment generation. This past summer saw several adjustments in the list. At the web site given above, the edited SACs are indicated with 2014-15 dates. Additionally, one new SAC is listed as "Language, Literacy, and the English Learner." This interdisciplinary SAC is clearly a response from the need that the schools are experiencing as their demographics continue to change.

Should you have any questions regarding the SAC list or the new "Language, Literacy, and the English Learner" SAC, please do not hesitate to ask.

# BACHELOR OF SCIENCE (BS) IN CHILD DEVELOPMENT: BIRTH THROUGH KINDERGARTEN

Major Code: 510x (Teaching) 2014-2015

Department of Family and Consumer Sciences Reich College of Education

 $\begin{array}{c} \textbf{Dr. Patricia Hearron , Coordinator} \\ \underline{\text{hearronpf@appstate.edu}} \end{array}$ 

I.	GENERAL EDU	UCAT	<u>'ION</u>		44			
II.	PROFESSIONAL EDUCATION24							
			An	ninimum grade of "C"(2.0) is required in each course.				
	To be admitte	ed to		education (TE), students must take and satisfy testing requirements	for all			
	areas of Prax	cis I (	Reading,	Writing & Mathematics); SAT or ACT scores may be used in lieu of P	raxis I			
		-		scores are met. Praxis II Specialty Area Exam is required prior to o				
	Student Teac	hing	. For tea	cher education admission criteria, testing requirements and addition	ıal			
	information,	pleas	se refer to	the Undergraduate Teacher Education Handbook listed under Quic	k Links			
	at <u>www.ced.</u>	apps	tate.edu.					
	CI 2300	_(2)		g & Learning in the Digital Age. Required prior to admission to Teacher Ed				
	FDN 2400	_(2)		Perspectives on Teaching & Learning. Required prior to admission to Teaching	acher			
				. Prerequisite or Co-requisite: Cl 2300.				
	PSY 3010	(3)		pgy Applied to Teaching. May be taken prior to or after admission to Teach Description. Prerequisite or Co-requisite: C I 2300.	er			
	SPE 3300	_(3)	Creating	Inclusive Learning Communities. Admission to Teacher Education require	r <b>ed.</b>			
			Prerequis	ites: CI 2300, FDN 2400, PSY 3010.				
	CI 3400	_(2)		& Practices in Educational Assessment. Admission to Teacher Education Prerequisites: CI 2300, FDN 2400, PSY 3010.	n			
	CI 4900	(12)	•	Teaching (S/U). (CAP) All professional education & major courses must be	<b>}</b>			
		_( ,		d with grades of ≥ C (2.0) prior to Cl 4900.				
III.	<b>MAJOR REQU</b>	IREM	<u> </u>		44			
	A minimum gr	rade d	of"C"(2.0	i) is required in each major course except CI/FCS/SPE 3104 and 3105.	•			
	18 sh must be	com	pletedat	Appalachian				
	FCS	2101	(3)	Child Dev: Birth - 2 Years				
	FCS	2102	(3)	Child Study & Guidance (prerequisite: FCS 2104 or instructor permission)				
	FCS	2104		Child Dev: 3-K Years				
	NUT	2201		Foods & Nutrition for Children				
	FCS	3107	(3)	Variations in Development Birth - Kindergarten (prerequisites: FCS 2101, FC	CS 2104)			
	# FCS/CI/SPE	4553	(3)	Issues in Transdisciplinary Service Delivery				
	# FCS/CI/SPE		· · /	Infant/Toddler Curriculum (prerequisite FCS 2101 SPE 3274 or instructor permiss	,			
	# FCS/CI/SPE	-	`	ü ·	nission)			
	# FCS/CI/SPE			<b>Kindergarten Curriculum</b> (prerequisite: admission to teacher education)				
		4200		Families in Educational Process for Children Birth-Kindergarten				
	SPE	3274	(3)	<b>Developmental/Educational Assessment: Birth-5</b> (prerequisite: FCS 2101 a	and 2104 or			
	FCS/CI/SPE	2404	(3)	instructor permission)  Practicum I (prerequisite: Instructor permission)				
	# FCS/CI/SPE	-		Practicum II (WID) (prerequisite: FCS/CI/SPE 3104 or instructor permission and				
	# PCS/CI/SPE	3103	(3)	ENG 2001 or its equivalent)				
	RE :	3902	(3)	Emergent Literacy				
	PSY	1200		Psychology: Hist, Soc, & Sci Fdns (Gen Ed: H&S: Individual & Society; Mi	ind)			
		-	,		·			
		# Co	urses are	restricted to students who have been admitted to Teacher Education.				
11/	ELECTIVES 14	n tat-	al a mini-	num of 122 sh)	10-13			
				tive hours outside the major discipline are required.	10-13			
	2 3	JII UI	THE CICK	are nome outside the major disorphine are required.				
V.	TOTAL HOURS	SINI	PROGRAM	1	122-125			
		_		the major may count toward General Education.	- up to 3			
	Minimum Hou				<u>- up to 3</u> 122			
				Program	144			

A CUMULATIVE GPA OF 2.50 IS REQUIRED FOR GRADUATION & TEACHER LICENSURE.

Bachelor of Arts (BA) Degree Code 216A

AI	NGUAGE (Co	mpletion of	5 semester hou	ırs at the *inte	mediate level, or higher	)
		1040	_ and 1050	or 1060	; or higher level cou	rses
		*NOTE: Lai				for the intermediate level courses. ectives depending upon choices.
2.	.0 major GPA is	required fo	r graduation. N	/lajor GPA calc	lation will include <u>all</u> co	urses taken in the major department, plus any otl punted toward the BA Degree.
C	hemistry (40	semester h	ours)			
C	HE 1101	(3)	Introductor	ry Chemistry	(Co: CHF 1110)	
	HE 1110	(1)			Lab <i>(Co: CHE 1101)</i>	
	HE 1102	(3)			(Pre: CHE 1101/1110; Co: (	CHE 1120)
	HE 1120	(1)			Lab (Co: CHE 1102)	•
C	HE 2201	(3)			THE 1102/1120; Co: CHE 22	03)
C	HE 2203	(1)		emistry I Lab		
	HE 2202	(3)				n grade "C-"; Co: CHE 2204)
C	HE 2204	(1)				nimum grade of "C-"; Co: CHE 2202)
	HE 2210	(3)			: CHE 1102/1120; Co: CHE 2	
C	HE 2211	(1)		e Analysis La		
C	HE 3000	(1)	Introductio	n to Chemica	Research (Pre: CHE 2101	or 2202; CHE 2210)
C	HE 3301	(3)	Physical Ch	emistry I (Pre:	CHE 2210/2211; MAT 1120;	PHY 1151)
C	HE 3303	(1)	Physical Ch	emistry I Lab	ratory <b>[WID]</b> (Pre: ENG	2001; Pre/Co: CHE 3301)
C	HE 3302	(3)	Physical Ch	emistry II (Pre	CHE 3301)	
C	HE 3304	(1)	Physical Ch	emistry II Lab	oratory (Pre: CHE 3303; Pi	re/Co: CHE 3302)
C	HE 3404	(3)				r 2202/2204; CHE 2210/2211)
	HE 3405	(1)			ratory (Co: CHE 3404)	
	HE 4000	(1)			(Pre: CHE 3000, 3301/3303	3)
	HE 4400	(1)		earch (Pre: CHE		
Pl	lus an additio	nal 5 semes	ter hours of c	hemistry cou	ses at or above the 30	00 level (CHE 3520 & 4610 excluded)
						hemistry I are strongly recommended. If CHE Society's Committee on Professional Training.
P	hysics (10 sen	nester houi	rs)			
	HY 1150	(5)		Physics I ( <del>Pre</del> C	MAT 1110)	
	HY 1151	(5)		Physics II ( <del>Pre</del> (		
	0 - 4l 4 <sup>1</sup> <i>1</i>			,	•	
	lathematics (			41- A I - 41- C		4
		(4)			ometry   (Pre: MAT 1025	
IV	1AT 1120	(4)	Calculus Wi	th Analytic G	ometry II (Pre: MAT 1110	) w/min grade C-)
0	ther Science	(6-8 semest	ter hours) An	additional 6-8	semester hours select	ted from astronomy, biology, geology, or phys
			neral Education			3 3 1. 7
_					(Physics courses	at the 1000 level and PHY 3350 are not accept
						be courses offered by Appalachian.
IV	iinimum oi 9 se	emester nou	rs or courses ta	iken to fullili m	nor requirements must	be courses offered by Apparachian.

# Proposed 2015-2016

Bachelor of Science (BS)
Degree Code 214\*
Concentration Code 214B

# Program of Study for Chemistry Majors CERTIFIED CHEMIST

I.			URRICULUM	4
II.	MAJOR REC	UIREMENTS	(Not including 12 s.h. already counted in I, above)	. 54-5
			graduation. Major GPA calculation includes <u>all</u> courses in the major department, plus any other courses und	
Α.	Chemistry (4	2 semester ho	ours)	
	CHE 1101	(3)	Introductory Chemistry I (Co: CHE 1110)	
	CHE 1110	(1)	Introductory Chemistry I Lab (Co: CHE 1101)	
	CHE 1102	(3)	Introductory Chemistry II (Pre: CHE 1101/1110; Co: CHE 1120)	
	CHE 1120	(1)	Introductory Chemistry II Lab (Co: CHE 1102)	
	CHE 2201	(3)	Organic Chemistry I ( <i>Pre: CHE 1102/1120; Co: CHE 2203</i> )	
	CHE 2203	(1)	Organic Chemistry I Lab (Pre: CHE 1102/1120; Co: 2201)	
	CHE 2202	(3)	Organic Chemistry II (Pre: CHE 2201/2203 w/minimum grade "C-"; Co: CHE 2204)	
	CHE 2204	(1)	Organic Chemistry II Lab (Pre: CHE 2201/2203 w/minimum grade "C-"; Co: CHE 2202)	
	CHE 2210	(3)	Quantitative Analysis (Pre: CHE 1102/1120; Co: CHE 2211)	
	CHE 2211	(1)	Quantitative Analysis Lab (Co: CHE 2210)	
	CHE 3000	(1)	Introduction to Chemical Research (Pre: CHE 2101 or 2202; 2210)	
	CHE 3301	(3)	Physical Chemistry I (Pre: CHE 2210/2211; MAT 1120; PHY 1151)	
	CHE 3303	(1)	Physical Chemistry I Laboratory [WID] (Pre/Co: CHE 3301; Pre: ENG 2001)	
	CHE 3302	(3)	Physical Chemistry II (Pre: CHE 3301)	
	CHE 3304	(1)	Physical Chemistry II Laboratory (Pre: CHE 3303; Pre/Co: CHE 3302)	
	CHE 3404	(3)	Inorganic Chemistry (Pre: CHE 3301 CHE 2101/2102 or 2202/2204; CHE 2210/2211)	
	CHE 3405	(1)	Inorganic Chemistry Lab (Co: CHE 3404)	
	CHE 3560	(3)	Instrumental Methods of Analysis (Pre: CHE 3301/3303; CO: 3561)	
	CHE 3561	(1)	Instrumental Methods of Analysis Lab (Co: CHE 3560)	
	CHE 4000	(1)	Chemistry Seminar [CAP] (Pre: CHE 3000, 3301/3303)	
	CHE 4580	(3)	Biochemistry I (Pre: CHE 2101 or 2202)	
	Choose one	of the followin	ng:	
	CHE 4400	(1)	Senior Research (Pre: CHE 4000; may be completed abroad with permission)	
	OR CUE 4510	(1)	Chamietry Hanara Thosis (D. /Cs. CUE 4000 h D. 2 . h CUE 2 45	
	CHE 4510	(1)	Chemistry Honors Thesis (Pre/Co: CHE 4000 honors; Pre: 3 sh CHE; 3.45+ cum & CHE GPA) 510 required for departmental honors	
_				
В.		emester hours	•	
	PHY 1150	(5)	Analytical Physics I (Co: MAT 1110)	
	PHY 1151	(5)	Analytical Physics II (Co. MAT 1120)	
C.	Mathematics	s (8 semester l	hours)	
	MAT 1110	(4)	Calculus with Analytic Geometry I (Pre: MAT 1025 w/min grade of C-)	
	MAT 1120	(4)	Calculus with Analytic Geometry II (Pre: MAT 1110 w/min grade of C-)	
D.		e (6-8 semesto tion Perspective	er hours) 6-8 semester hours selected from: astronomy, biology, geology, or physics. GLY 2301 may be used in	)
	(Physics cou	irses at the 10	00 level, and PHY 3350, are not accepted)	
E.			gramming is also recommended	
	(Suggested co	ourse: CS 1445	5 Introduction to Programming with Interdisciplinary Applications (Pre: MAT 1020 or 1025))	
III.	MINOR (op	tional)		
IV	FI FCTIVES (	taken to tota	al 122 hours for the degree)	22-2
	·-		lectives must be outside the major discipline.	<u>22-2</u> 12

Total major = 66-68 hrs; Gen Ed courses may count in major (depends on choices) – up to 15; net major 51-53 hours.

Bachelor of Science (BS)
Degree Code 214\*
Concentration Code 214D

Program of Study for Chemistry Majors MARKETING AND BUSINESS

ı.	GENERAL EDUCATION CI	URRICULUM	44
	CHE 1101, 1110, 1102, and 11	20 fulfills the Science Inquiry Perspective. MAT 1110 fulfills Quantitative Literacy.	
II.		(Not including 12 s.h. already counted in I, above)	
		graduation. Major GPA calculation will include <u>all</u> courses taken in the major department, plus any other ester hours of courses taken to fulfill major requirements must be courses offered by Appalachian.	courses
Α.	Chemistry (32 semester ho	urs)	
	CHE 1101(3)	Introductory Chemistry I (Co: CHE 1110)	
	CHE 1110(1)	Introductory Chemistry I Lab (Co: CHE 1101)	
	CHE 1102(3)	Introductory Chemistry II (Pre: CHE 1101/1110; Co: CHE 1120)	
	CHE 1120(1)	Introductory Chemistry II Lab (Co: CHE 1102)	
	CHE 2201(3)	Organic Chemistry I (Pre: CHE 1102/1120; Co: CHE 2203)	
	CHE 2203(1)	Organic Chemistry I Lab (Co: CHE 2201) Organic Chemistry II (Pre: CHE 2201/2203 w/minimum grade "C-"; Co: CHE 2204)	
	CHE 2202 (3) CHE 2204 (1)	Organic Chemistry II (Pre: CHE 2201/2203 W/minimum grade C- ; Co: CHE 2204)  Organic Chemistry II Lab (Pre: CHE 2201/2203 W/minimum grade of "C-"; Co: CHE 2202)	
	CHE 2210(3)	Quantitative Analysis ( <i>Pre: CHE 1102/1120; Co: CHE 2211</i> )	
	CHE 2211 (1)	Quantitative Analysis Lab (Co: CHE 2210)	
	CHE 3000(1)	Introduction to Chemical Research (Pre: CHE 2101 or 2202; CHE 2210)	
	CHE 3301(3)	Physical Chemistry I (Pre: CHE 2210/2211; MAT 1120; PHY 1151)	
	CHE 3303 (1)	Physical Chemistry I Laboratory [WID] (Pre: ENG 2001; Pre/Co: CHE 3301)	
	CHE 3404 (3)	Inorganic Chemistry (Pre: CHE 3301 CHE 2101/2102 or 2202/2204; CHE 2210/2211)	
	CHE 4000(1)	Chemistry Seminar [CAP] (Pre: CHE 3000, 3301/3303)	
	Additional 3 semester hour	s of chemistry courses at or above 3000 level (excluding 3520 & 4610)	
В.	Physics (10 semester hours		
	PHY 1150 (5)	Analytical Physics I (Pre Co: MAT 1110)	
	PHY 1151 (5)	Analytical Physics II ( <del>Pre Co:</del> MAT 1120)	
C.	•		
	MAT 1110 (4)	Calculus with Analytic Geometry I (Pre: MAT 1025 w/min grade C-)	
	MAT 1120 (4)	Calculus with Analytic Geometry II (Pre: MAT 1110 w/min grade C-)	
D.		er hours) An additional 6-8 semester hours selected from astronomy, biology, geology, or physics	. GLY
	2301 may be used in General E	(Physics courses at the 1000 level and PHY 3350 are not acce	epted)
Ε.	Marketing & Business Cond	centration (21 semester hours) ECO 2030 may be used in General Education Perspectives.	
	ACC 2100(3)	Principles of Accounting I (Pre: 24 hrs college credit)	
	ECO 2030(3)	Principles of MIcroeconomics	
	MKT 3050(3)	Principles of Marketing (Pre: ECO 2030)	
	MKT 3220(3)	Sales Management (Pre: MKT 3050 w/minimum grade of "C")	
	Plus choose 9 hours of elec	tives:	
	MKT 3052 (3) MKT 3210 (3)	Professional Selling (Pre: MKT 3050 w/min grade "C")	
		Retail Management (Pre: MKT 3050 w/min grade "C")	
	MKT 3230 (3)	Business-to-Business Marketing (Pre: MKT 3050 w/minimum grade of "C")	
	MKT 3240 (3)	Integrated Marketing Communications (Pre: MKT 3050 w/min grade "C")	
	MKT 3260 (3)	Managing Distribution Channels (Pre: MKT 3050 w/min grade "C")	
	MKT 3530/4530(3)	Selected Topics in Marketing	
	MKT 3900 (6)	Internship (Pre: MKT 3050 w/minimum grade of "C")	
	MKT 4550 (3)	International Marketing (Pre: MKT 3050 w/min grade "C")	
	MKT 4610 (3)	Consumer Behavior (Pre: MKT 3050 w/min grade "C")	
	MKT 4620 (3)	Marketing Research (Pre: MKT 3050 w/ minimum grade of "C"; ECO 2200)	
	Completing the required co	urses listed above with a minimum overall GPA of 2.0 qualifies the student to minor in Marketing.	
Ш	. MINOR (optional)		
I۷		Il 122 hours for the degree)ectives must be outside the major discipline	<u>9-11</u>
	A Semesier Dolles Of Tree of	ecuves must be outside the major discibline.	1/

Total major = 79-81 hrs; Gen Ed courses may count in major (depends on choices) – up to 15; net major 64-66 hours.

Bachelor of Science (BS)
Degree Code 214\*
Concentration Code 214E

Program of Study for Chemistry Majors PRE-PROFESSIONAL AND PARAMEDICAL

I.	GENERAL EDUCATION CURRICULUM						
II.	MAJOR REQUIREMENTS (Not including 12 s.h. already counted in I, above)						
A.	Chemistry (32 semester hours)  CHE 1101						
В.	Physics (10 semester hours) PHY 1150 (5) Analytical Physics I (Co: MAT 1110) PHY 1151 (5) Analytical Physics II (Co: MAT 1120)						
C.	Wathematics (8 semester hours)         MAT 1110       (4)       Calculus with Analytic Geometry I (Pre: MAT 1025 w/min grade C-)         MAT 1120       (4)       Calculus with Analytic Geometry II (Pre: MAT 1110 w/min grade C-)						
D.	Other Science (6-8 semester hours) selected from: astronomy, biology, geology, or physics. GLY 2301 may be used in General Education  Perspectives. (Physics courses at the 1000 level and PHY 3350 are not accepte						
E.	Preprofessional & Paramedical Concentration (24 semester hours) (Substitutions permitted with departmental approval) Pre: BIO 1801 for all BIO courses ≥ 2000)						
	180   1801						
	Choose 8 sh from:  BIO 2000						
III.	MINOR (optional)						
IV.	ELECTIVES (taken to total 122 hours for the degree)						

Program of Study for Chemistry Majors
INDIVIDIALLY DESIGNED

Bachelor of Science (BS)
Degree Code 214\*
Concentration Code 214F

or	centration Code 214F							
tu	dent Name:					Date		
	GENERAL EDUCATION	CHRRICHHAM				44		
	CHE 1101, 1110, 1102, and							
					•			
,						62-64		
	2.0 major GPA is required for courses under II. Minimum							
	Chemistry (32 semester h	ours)						
	CHE 1101(3)	•	hemistry I (Co: CI	HF 1110)				
	CHE 1110(1)	Introductory C						
	CHE 1102 (3)			CHE 1101/1110; Co: 112	20)			
	CHE 1120(1)		hemistry II Lab		.0)			
	Choose one 4 hour organi			CO. CHE 1102)				
				i-t	(4400 0 005 0400)			
	: :			mistry (Pre: CHE 1102)				
	CHE 2102 (1)	Fundamentals	<del>of Organic Cher</del>	mistry Lab (Co: CHE 2	<del>101)-</del>			
	<del>OR</del>							
	CHE 2201(3)			02/1120; Co: CHE 2203,				
	CHE 2203(1)	•	•	HE 1102/1120; Co: CHE .	•			
	CHE 2202 (3)	Organic Chemi	stry II (Pre: CHE 22	201/2203 w/minimum g	rade "C-"; Co: CHE 2204)			
	CHE 2204(1)	Organic Chemi	stry II Lab (Pre: C	HE 2201/2203 w/minim	num grade "C-"; Co: CHE 220	02)		
	CHE 2210 (3)	Quantitative A	nalysis ( <i>Pre: CHE</i> :	1102/1120; Co: CHE 221	11)			
	CHE 2211 (1)	Quantitative A	nalysis Lab (Co : (	CHE 2210)				
	CHE 3000(1)	Introduction to	Chemical Rese	arch (Pre: CHE 2101 o	r 2202; CHE 2210)			
	CHE 3301(3)	(1) Introduction to Chemical Research (Pre: CHE 2101 or 2202; CHE 2210) (3) Physical Chemistry I (Pre: CHE 2210/2211; MAT 1120; PHY 1151)						
	CHE 3303 (1)							
	Plus an additional 73 sem	ester hours of che	emistry courses	:				
١.	Physics (10 semester hou	rs)						
	PHY 1150(5)	Analytical Phys						
	PHY 1151 (5)	Analytical Phys	ics II ( <del>Pre-Co</del> : MA7	1120)				
	Mathematics (8 semester	hours)						
	MAT 1110(4)		nalytic Geomet	try   (Pre: MAT 1025 w,	/min grade of C-)			
	MAT 1120 (4)			try II (Pre: MAT 1110 w				
			•	-				
	Other Science (6-8 semes	<b>ter hours)</b> An add	itional 6-8 seme	ester hours selecte	d from astronomy, bio	logy, geology, or physics.		
	GLY 2301 may be used in Ge	neral Education Pers	•					
			(	Physics courses at	the 1000 level and PH	Y 3350 are not accepted)		
	Individually Designed Co	ncentration (18 se	emester hours)					
	A concentration to prepar		-	other career oppor	tunities may be devel	oped in consultation with		
	the chairperson of the De							
			, and mast	marriadany app				
วน	rse Hoi	ırs Cou	rse	Hours	Course	Hours		
						<del></del>		
				<del></del>		<del></del>		
					<del></del>			
				ı				
ı.	MINOR (optional)			Stude	nt Signature:			
I.	MINOR (optional)							

Bachelor of Science (BS) Degree Code 214\*

# Program of Study for Chemistry Majors ENVIRONMENTAL

Cor	ncentration Code 214G
I.	GENERAL EDUCATION CURRICULUM
II.	MAJOR REQUIREMENTS (Not including 12 s.h. already counted in I, above)
A.	Chemistry (32 semester hours)  CHE 1101/1110
B.	Physics (13 semester hours)         PHY 1150       (5)       Analytical Physics I (Co: MAT 1110)         PHY 1151       (5)       Analytical Physics II (Co: MAT 1120)         PHY 3140       (3)       Environmental Physics (Pre: PHY 1104 or 1151)
C.	Mathematics (8 semester hours)  MAT 1110 (4) Calculus with Analytic Geometry I (Pre: MAT 1025 w/min grade C-)  MAT 1120 (4) Calculus with Analytic Geometry II (Pre: MAT 1110 w/min grade C-)
D.	Other Sciences (8 semester hours)  BIO 1801 (4) Biological Concepts I (Co: CHE 1101)  GLY 1101 (4) Introduction to Physical Geology
E.	Environmental Concentration (25 semester hours) ECO 2620 or GHY 1010 may be used in General Education Perspectives.  1. Science and Mathematics (16 semester hours)  BIO 3302(4)
	P S 2130 (3) State and Local Government
IV.	ELECTIVES (taken to total 122 hours for the degree)
CHE CHE CS: GHY GHY	3302(3) Physical Chemistry II ( <i>Pre: CHE 3301</i> )       GHY 3320(3) Environmental Issues in Appalachia         3304(1) Physical Chemistry II Lab ( <i>Pre: CHE 3303;Pre/Co: CHE 3302</i> )       GHY 4820(3) Geographical Hydrology ( <i>Pre: GHY 1010, 3100, 3110</i> )         1440(3) Computer Science I ( <i>Pre: MAT 1020/1025 w/grade "C-"</i> )       GLY 4630(3) Hydrogeology ( <i>Pre: Jr. standing; 6 sh GLY ≥ 1000</i> )         13100(3) Weather and Climate ( <i>Pre: GHY 1010</i> )       PHL 1100(3) Logic I         13110(3) Vegetation, Soils, & Landforms ( <i>Pre: GHY 1010</i> )       P S 3280(3) Public Policy Analysis         13310(3) Environmental Remote Sensing

Bachelor of Science (BS)
Degree Code 214\*
Concentration Code 214H

Program of Study for Chemistry Majors FORENSIC SCIENCE

I.		JRRICULUM	44
II.	2.0 major GPA is required for	(not including 12 semester hours already counted in I above)	
Α.	Chemistry Course Requirem CHE 1101	Introductory Chemistry I (Co: CHE 1110) Introductory Chemistry I Lab (Co: CHE 1101) Introductory Chemistry I Lab (Co: CHE 1101) Introductory Chemistry II (Pre: CHE 1101/1110; Co: CHE 1120) Introductory Chemistry III (Pre: CHE 1102/1120; Co: CHE 1120) Introductory Chemistry III Lab (Co: CHE 1102) Organic Chemistry I (Pre: CHE 1102/1120; Co: CHE 2203) Organic Chemistry I Lab (Pre: CHE 1102/1120; Co: CHE 2201) Organic Chemistry III (Pre: CHE 2201/2203 w/minimum grade "C-"; Co: CHE 2204) Organic Chemistry III Lab (Pre: CHE 2201/2203 w/minimum grade of "C-"; Co: CHE 2202) Quantitative Analysis (Pre: CHE 1102/1120; Co: CHE 2211) Quantitative Analysis Lab (Co: CHE 2210) Introduction to Chemical Research (Pre: CHE 2101 or 2202; CHE 2210) Physical Chemistry I (Pre: CHE 2210/2211; MAT 1120; PHY 1151) Physical Chemistry I Laboratory [WID] (Pre: ENG 2001; Pre/Co: CHE 3301) Inorganic Chemistry (Pre: CHE 3301 CHE 2101/2102 or 2202/2204; CHE 2210/2211) Instrumental Methods of Analysis (Pre: CHE 3301/3303; Co: 3561) Instrumental Methods of Analysis Lab (Co: CHE 3560) Chemistry Seminar [CAP] (Pre: CHE 3000, 3301/3303) Biochemistry I (Pre: CHE 2101 or 2202) Biochemistry I Lab (Pre: CHE 2102 or 2204; Co: 4580; Sr. standing)	
В.	Physics (10 semester hours         PHY 1150	) Analytical Physics I ( <i>Pre Co: MAT 1110</i> ) Analytical Physics II ( <i>Pre Co: MAT 1120</i> )	
C.	Mathematics (11 semester         MAT 1110      (4)         MAT 1120      (4)         STT 2810      (3)	hours) Calculus with Analytic Geometry I (Pre: MAT 1025 w/min grade C-) Calculus with Analytic Geometry II (Pre: MAT 1110 w/min grade C-) Introduction to Statistics (Pre: MAT 1010)	
D.	Other Science (8 semester   1810 1801	hours) Biological Concepts I <i>(Co: CHE 1101)</i> Molecular Biology <mark>[WID-BIO]</mark> <i>(Pre: CHE 2201 or 2101; BIO 1801)</i>	
E.	Criminal Justice Courses (19         C J 1100	Introduction to Criminal Justice Theories of Crime and Justice Forensic Investigation Criminal Law Criminal Procedure	
III.	MINOR (optional)		
IV.		I 122 hours for the degree)ectives must be outside the major discipline.	<u>9</u> 122

Total major = 81hrs; Gen Ed courses may count in major (depends on choices) – up to 12; net major 69 hours.

Bachelor of Science (BS)
Degree Code 214\*

# Program of Study for Chemistry Majors FERMENTATION SCIENCES

Cor	ncentration Co	de 214I					
ı.	GENERAL EDI	JCATION C	URRICULUM	44			
	CHE 1101, 1110,	. 1102, and 11	120 fulfills the Science Inquiry Perspective. MAT 1110 fulfills Quantitative Literacy.				
II.			(Not including 12 s.h. already counted in I, above)				
			graduation. Major GPA calculation will include <u>all</u> courses taken in the major department, plus any of 18 semester hours of courses taken to fulfill major requirements must be courses offered by Appala				
A.	Chemistry (37	semester ho	ours)				
	CHE 1101	(3)	Introductory Chemistry I (Co: CHE 1110)				
	CHE 1110	(1)	Introductory Chemistry I Lab (Co: CHE 1101)				
	CHE 1102	(3)	Introductory Chemistry II (Pre: CHE 1101/1110; Co: CHE 1120)				
	CHE 1120	(1)	Introductory Chemistry II Lab (Co: CHE 1102)				
	CHE 2201	(3)	Organic Chemistry I (Pre: CHE 1102/1120; Co: CHE 2203)				
	CHE 2203	(1)	Organic Chemistry I Lab (Pre: CHE 1102/1120; Co: CHE 2201)				
	CHE 2202	(3)	Organic Chemistry II (Pre: CHE 2201/2203 w/minimum grade "C-"; Co: CHE 2204)				
	CHE 2204	(1)	Organic Chemistry II Lab (Pre: CHE 2201/2203 w/minimum grade of "C-"; Co: CHE 2202)				
	CHE 2210	(3)	Quantitative Analysis (Pre: CHE 1102/1120; Co: CHE 2211)				
	CHE 2211	(1)	Quantitative Analysis Lab (Co: CHE 2210)				
	CHE 3000	(1)	Introduction to Chemical Research (Pre: CHE 2101 or 2202; CHE 2210)				
	CHE 3301	(3)	Physical Chemistry I (Pre: CHE 2210/2211; MAT 1120; PHY 1151)				
	CHE 3303	(1)	Physical Chemistry I Laboratory [WID] (Pre: ENG 2001; Pre/Co: CHE 3301)				
	CHE 3404 CHE 3560	(3)	Inorganic Chemistry (Pre: CHE 3301 CHE 2101/2102 or 2202/2204; CHE 2210/2211) Instrumental Methods of Analysis (Pre: CHE 3301/3303; Co: CHE 3561)				
	CHE 3561	(1)	Instrumental Methods of Analysis Lab (Co: CHE 3561)				
	CHE 4000	(1)	Chemistry Seminar [CAP] (Pre: CHE 3000, 3301/3303)				
	CHE 4580	(3)	Biochemistry I ( <i>Pre: CHE 2101 or 2202</i> )				
	CHE 4581	(1)	Biochemistry   Lab ( <i>Pre: CHE 2102 or 2204; Co: 4580; Sr. standing</i> )				
В.	Physics (10 sen	nester hour	c)				
ъ.	PHY 1150	(5)	Analytical Physics I (Co: MAT 1110)				
		(5)					
		, ,	Analytical Physics II (Co: MAT 1120)				
C.	•						
	MAT 1110	(4)	Calculus with Analytic Geometry I (Pre: MAT 1025 w/min grade C-)				
	MAT 1120	(4)	Calculus with Analytic Geometry II (Pre: MAT 1110 w/min grade C-)				
D.	Other Science	(7 semester	hours)				
	BIO 1801	(4)	Biological Concepts I (Co: CHE 1101)				
	BIO 2600	(3)	Cell Biology (Pre: BIO 1801; CHE 1102)				
E.	Fermentation S	Sciences Cor	ncentration (18 semester hours)				
	BIO 3308	(4)	Microbiology (Pre: BIO 1801; CHE 1102/1120)				
	FER 2000	(1)	Social Implications of Fermented Beverages				
	FER 3200	(3)	Facility Design and Operation				
	FER 4300	(3)	Sensory Analysis of Wine and Beer (Pre: FER 4100 or CHE/FER 4200; STT 2810)				
	NUT 3210	(3)	Beverage Management				
	Choose one of	Choose one of the following:					
	FER 4100	(4)	Wine Production & Analysis (Pre: CHE 2210 & 2211)				
	FER 4100 CHE/FER 4200	(4)	Brewing Science & Analysis (Pre: CHE 2210 & 2211)				
III.	MINOR (option	onal)					
IV.	ELECTIVES (ta	ken to tota	al 122 hours for the degree)	10			
- •			lectives must be outside the major discipline.	122			

Total major = 80 hrs; Gen Ed courses may count in major (depends on choices) – up to 12; net major 68 hours. *Electives recommended by department:* 

FER 1000 Principles of Fermentation Sciences (3 sh); FER 3000 Viticulture: Vine Physiology & Vineyard Establishment (4 sh); ACC 1050 Survey of Accounting (3 sh); BUS 1050 Introduction to Business (3 sh); MGT 3060 Opportunity and Entrepreneurship (3 sh); MGT 4650 Venture Creation (3 sh) (Pre: "C" in WID; FIN 3680 MGT 3630; MKT 3050); CHE 2526 Chemical Safety (1 sh);

Bachelor of Science (BS)
Degree Code 214\*
Concentration Code 214J

# Program of Study for Chemistry Majors CHEMISTRY SECONDARY EDUCATION LICENSURE

I.	CORE CURRICULUM	44					
II.	PROFESSIONAL EDUCATION REQUIREMENTS	24					
	A minimum grade of C is required in each professional education course. CI 2300 & FDN 2400 are required prior to admis CI 2300 (2) Teaching and Learning in the Digital Age (Entry course to teacher education)  FDN 2400 (2) Critical Perspectives on Teaching and Learning (Pre or Co: CI 2300) (Entry course to teacher education)  PSY 3010 (3) Psychology Applied to Teaching (Pre or Co: CI 2300)	sion to Teacher Educ.					
	SPE 3300* (3) Creating Inclusive Learning Communities (Pre: CI 2300, FDN 2400, PSY 3010)	Reading					
	C I 3400* (2) Policies and Practice in Educational Assessment (Pre: CI 2300, FDN 2400, PSY 3010)	English					
	C I 4900 (12) Student Teaching [CAP] (All courses in professional core must be completed with grades of	Speech					
	C (2.0) or higher prior to student teaching, along with other courses (including methods and reading) identified w						
	*Admission to Teacher Education required.						
	NOTE: To be admitted to the Teacher Education Program students must take and satisfy testing requirements for Reading	g, Writing and Math					
	areas of the PRAXIS (PPST or CBT). The PRAXIS II Area Exams are required for student teaching.						
III.	MAJOR REQUIREMENTS (Not including 12 s.h. already counted in I, above)	t, plus any other					
A.	Chemistry (32 semester hours)						
	CHE 1101/1110(4) Introductory Chemistry I & Lab						
	CHE 1102/1120 (4) Introductory Chemistry II & Lab ( <i>Pre: CHE 1101/1110; Co: 1120</i> ) CHE 2210 (3) Quantitative Analysis ( <i>Pre: CHE 1102/1120; Co: 2211</i> )						
	CHE 2211 (1) Quantitative Analysis Lab (Co: CHE 2210)						
	CHE 3000 (1) Introduction to Chemical Research (Pre: CHE 2101 or 2202; 2210)						
	CHE 3301 (3) Physical Chemistry   (Pre: CHE 2210/2211; MAT 1120; PHY 1151)						
	CHE 3303 (1) Physical Chemistry I Laboratory [ <b>WID</b> ] ( <i>Pre: ENG 2001; Pre/Co: CHE 3301</i> ) CHE 3404 (3) Inorganic Chemistry ( <i>Pre: CHE 3301 CHE 2101/2102 or 2202/2204; CHE 2210/2211</i> )						
	CHE 3404 (3) Inorganic Chemistry ( <i>Pre: <del>CHE 3301</del> CHE 2101/2102 or 2202/2204; CHE 2210/2211)</i> CHE 3521						
	Experience as a tutor through the Learning Assistance Program or the Supplemental Instruction Program is strongly recommended.						
	CHOOSE ONE GROUP OF 11 semester hours:						
	CHE 2101 (3) Fundamentals of Organic Chemistry (Pre: CHE 1102/1120; Co: 2102)						
	CHE 2102 (1) Fundamentals of Organic Chemistry Lab (Pre: CHE 1102/1120; Co: 2101)						
	Plus 7 semester hours of chemistry courses (CHE 4580, Biochemistry I is recommended)						
	OR						
	CHE 2201 (3) Organic Chemistry I (Pre: CHE1102/1120; Co: 2203)						
	CHE 2203 (1) Organic Chemistry I Lab (Pre: CHE 1102/1120; Co: 2201)						
	CHE 2202 (3) Organic Chemistry II (Pre: CHE 2201/2203 w/minimum grade "C-"; Co: CHE 2204)						
	CHE 2204 (1) Organic Chemistry II Lab ( <i>Pre: CHE 2201/2203 w/grade "C-"; Co: CHE 2202</i> )						
	Plus 3 semester hours of chemistry courses (CHE 4580, Biochemistry I is recommended)						
В.	Physics (10 semester hours)						
	PHY 1150 (5) Analytical Physics I (Pre Co: MAT 1110)						
	PHY 1151 (5) Analytical Physics II ( <del>Pre</del> Co: MAT 1120)						
C.	Mathematics (8 semester hours)						
	MAT 1110 (4) Calculus with Analytic Geometry I (Pre: MAT 1025 w/min grade C-)						
	MAT 1120 (4) Calculus with Analytic Geometry II (Pre: MAT 1110 w/min grade C-)						
D.	3 · · · · · · · · · · · · · · · · · · ·						
	G S 4403(3) Teaching Science in Middle and High Schools [WID] (Pre: ENG 2001)						
	R E 4630(2) Reading in the Content Areas						
E.							
	BIO 1801 (4) Biological Concepts I (Co: CHE 1101) GLY 1101 (4) Introduction to Physical Geology						
	GET 1101(4) ITH OURCHOFF TO PHYSICAL GEOLOGY						
IV.	MINOR (optional)						
V.	ELECTIVES (taken to total 122 hours for the degree)	<u>3</u> 122					

Total major = 63 hrs; Gen Ed courses may count in major (depends on choices) – up to 12; net major 51 hours.

# **Minor Program of Study**

**Minor Code 214 Chemistry Minor** Required hours: 20 hours I. Required (8 hours) CHE 1101 (3) Introductory Chemistry I (Co: CHE 1110) CHE 1110 \_\_\_\_\_ (1) Intro Chemistry I Lab (Co: CHE 1101) CHE 1102 \_\_\_\_\_ (3) Introductory Chemistry II (Pre: CHE 1101/1110; Co: CHE 1120) CHE 1120 \_\_\_\_\_ (1) Intro Chemistry II Lab (Co: CHE 1102) II. Electives: Choose 12-14 hours of CHE electives from at least two areas of chemistry. This must include laboratory experiences in at least two different areas. **OPTION I** CHE 2201 \_\_\_\_\_ (3) Organic Chemistry I (Pre: CHE 1102 & 1120; Co: CHE 2203) CHE 2203 \_\_\_\_\_ (1) Organic Chemistry I Lab (Pre: CHE 1102 & 1120; Co: CHE 2201) CHE 2202 \_\_\_\_\_ (3) Organic Chemistry II (Pre: CHE 2201/ 2203 w/min grade of "C-"; Co: CHE 2204) CHE 2204 (1) Organic Chemistry II Lab (Pre: CHE 2201/ 2203 w/min grade of "C-"; Co: CHE 2202) Choose 4 sh course sequence: CHE 4580 \_\_\_\_\_ (3) Biochem I (Pre: CHE 2101 or 2202) AND CHE 4581 \_\_\_\_ (1) Biochem I Lab (Pre: CHE 2102 OR 2204; Co: CHE 4580; Sr. standing) CHE 2210 \_\_\_\_\_ (2) Quant Anly (Pre: CHE 1102 & 1120; Co: CHE 2211) AND CHE 2211 \_\_\_\_ (2) Quant Analysis Lab (Co: CHE 2210) CHE 4800 \_\_\_\_\_ (4) Forensic Microscopy (Pre: CHE 2202) includes one lab credit hour **OPTION II** CHE 2210 \_\_\_\_\_ (3) Quantitative Analysis (Pre: CHE 1102 & 1120; Co: CHE 2211) CHE 2211 \_\_\_\_\_ (1) Quantitative Analysis Laboratory (Co: CHE 2210) CHE 3301 \_\_\_\_\_ (3) Physical Chemistry I (Pre: CHE 2210/2211; MAT 1120; PHY 1151) CHE 3303 (1) Physical Chemistry I Lab (Pre/Co: CHE 3301; Pre: ENG 2001) Choose 4 sh course sequence: CHE 3302 \_\_\_\_\_ (3) Physical Chem II (Pre: CHE 3301) AND CHE 3304 \_\_\_\_\_ (1) Physical Chem II Lab (Pre: CHE 3303; Pre/Co: CHE 3302) CHE 3560 \_\_\_\_\_ (3) Instrumental Meth (Pre: CHE 3301/3303; Co: CHE 3560) AND CHE 3561 \_\_\_\_ (1) Inst'l Meth Lab (Co: CHE 3560) CHE 4800 (4) Forensic Microscopy (Pre: CHE 2202) includes one lab credit hour

# OPTION III CHE 2101

` ,	U	, ,	•	,
CHE 2102 (1) Fundamenta	als of Organic Che	mistry Lab (Pro	e: CHE 1102 & 1120; Co:	CHE 2101)
CHE 2210 (3) Quantitative	Analysis (Pre: CHE	1102 & 1120; Co	: CHE 2211)	
CHE 2211 (1) Quantitative	Analysis Laborato	ory (Co: CHE 22:	10)	
CHE 4580 (3) Biochemistr	y   (Pre: CHE 2101 or .	2202)		
CHE 4581 (1) Biochemistr	y I Lab (Pre: CHE 210	)2 OR 2204; Co: (	CHE 4580; Sr. standing)	

(3) Fundamentals of Organic Chemistry (Pre: CHE 1102 & 1120; Co: CHE 2102)

#### **OPTION IV**

CHE 2101 (3) Fundamentals of Organic Chemistry (Pre: CHE 1102 & 1120; Co: CHE 2102)
CHE 2102 (1) Fundamentals of Organic Chemistry Lab (Pre: CHE 1102 & 1120; Co: CHE 2101)
CHE 2526 (1) Chemical Safety (Pre: CHE 1101 & 1110)
CHE 4580 (3) Biochemistry I (Pre: CHE 2101 or 2202)
CHE 4581 (1) Biochemistry I Lab (Pre: CHE 2203; Co: CHE 4580)
Choose one:
CHE 2400 (3) Intro to Forensic Chemistry & Criminalistics (Pre: CHE 1102 & 1120)
OR

CHE 4630 \_\_\_\_\_ (3) Forensic Toxicology (Pre: CHE 2101 or 2202)

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Bachelor of Arts (BA)
Degree Code 233\*/Major Code 233B

# Program of Study for English Majors CREATIVE WRITING CONCENTRATION

		NGUAGE (Completion of 6 semester hours at the *intermed	gher level courses
		*NOTE: Language 1010 and 1020 (or 1030) are p	rerequisites for the intermediate level courses.
		LLC 1050 or 1060 may be used in General Educ	ation Perspectives depending upon choices
III.			39 include <u>all</u> courses taken in the major department, plus any other courses
		der III. No more than 46 semester hours of courses in English may	
		,	emester hours must be at the 3000 level or above.
			Ill ENG courses level 2001 and above.
	A.		ive) of following: ( + Course may be repeated for credit when content varies.)
		ENG 3651 (3) Creative Writing: Poetry ENG 3652 (3) Creative Writing: Prose (Fiction)	
		ENG 3661+ (3) Advanced Poetry (Pre: ENG 3651)	THE SET SHE THE SET SET SHE (SOLL SEE)
		ENG 3662+ (3) Advanced Fiction (Pre: ENG 3651, 3652, ENG, ENG 3663+ (3) Advanced Creative Non-Fiction (Pre: ENG 36	7THR 3670, ENG/THR 3679, OF ENG/COM 3680) 651, 3652, ENG/THR 3670, ENG/THR 3679, OF ENG/COM 3680)
		ENG/THR 3670+ (3) Playwriting ENG/THR 3679 (3) Screenwriting	
		NG/COM 3680 (3) Literary Journalism	
			IG 3651, 3652, ENG/THR 3670, ENG/THR 3679, or ENG/COM 3680) ng (Pre: ENG 3651, 3652, ENG/THR 3670, ENG/THR 3679, or ENG/COM 3680; Sr. stndir.
	_		
	В.	Literature Courses (3 s.h.) Choose at least one of the follow	
	_		(3) Studies in Poetry OR ENG 3750 (3) Studies in Drama
	C.	Grammar: (3 s.h.) ENG 3300 (3) Applied Grammar	
	D.	Writing in the Discipline (3 s.h.): ENG 3000(3) Approac	
	E.	Senior Capstone (3 s.h.): Choose 3 sh (Must be taken durin	
		ENG 4550(3) Senior Seminar in Creative Writing [CAP] (BAR) Seminar in Cr	Pre: ENG 3651, 3652, ENG/THR 3670, ENG/THR 3679 or ENG/COM 3680) 551, 3652, ENG/THR 3670, ENG/THR 3679, or ENG/COM 3680; Sr. standing)
			4571, 4581, 4586, 4592, 4711, 4721, 4731, 4761, 4771, 4781, 4791, 4796, 4811, 4821,
		4826, 4831, 4841, 4851, 4861, 4871, 4881, 4891, 4896 (All have PRE: ENG 30	
	F. C	Courses beyond the 21 semester hours Creative Writing Con	centration (18 s h )
		Honors courses are indicated by section number - 410 on the	
		1. British Literature – Choose one (3 s.h.):	2. World Literature – Choose one (3 s.h.)
		ENG 2010 (3) British Literature to 1789	ENG 2030 (3) World Literature to 1650
		ENG 2020 (3) British Literature since 1789	ENG 2040 (3) World Literature since 1650
		3. American Literature – Choose one (3 s.h.)	4. Two 4000 level literature courses – (6 s.h.)
		ENG 2310 (3) American Literature to 1865	
		ENG 2320 (3) American Literature since 1865	
		<b>5. One 4000 level course –</b> (3 s.h.)	<del></del>
		If ENG 4550 taken to meet III. A. above (not just Capstone), th	en one 3000 level or higher course can be taken to meet this requirement
			· · · · · · · · · · · · · · · · · · ·

2 semester hours of free electives must be outside the major discipline.

# **2015-2016** PROPOSED

Bachelor of Arts (BA) Degree Code 233\* Major Code 233E

# Program of Study for English Majors LITERARY STUDIES CONCENTRATION

I.					used in General Education Perspectives (depends on choices).
II.	LAN	NGUAGE (Completi	on of 6 semester	hours at the	e *intermediate level, or higher)6
					; or higher level courses
		*NOTE: Lang	5	•	D) are prerequisites for the intermediate level courses.  neral Education Perspectives depending upon choices
III.	2.0 n Mini	major GPA is required for imum of 18 semester hou ish courses may be count	graduation. Major GPA rs of courses taken to fu ed toward the BA Degre	calculation will Ilfill major requi e.	I include all courses taken in the major department, plus any other courses under III. irrements must be courses offered by Appalachian. No more than 46 semester hours of el; 24 semester hours must be at the 3000 level or above.
		30 :			to all ENG courses 2001 level and above.
A.	Req	uired Foundations in			9 s.h.) section number - 410 on the <i>Schedule of Courses</i> .
		1. British Literature	– Choose one (3 s.h	ո.):	3. World Literature – Choose one (3 s.h.)
		ENG 2010 (3) E			ENG 2030 (3) World Literature to 1650 ENG 2040 (3) World Literature since 1650
		2. American Litera ENG 2120 (3) A ENG 2130 (3) A ENG 2310 (3) A ENG 2320 (3) A	African-American Li Ethnic-American Lite American Literature	terature erature to 1865	
В.	Lite	rary Studies Concen	tration: (18 s.h.)		
	1.	Writing in the Discip		-	Pre: ENG 2001)
	2.	Four 4000 level liter	rature courses – (12	2 s.h.) <i>(ENG 300</i>	000 strongly recommended prior to taking 4000-level literature courses.)
	3.				se one from: ENG 4510 ( <i>Pre: ENG 3000; ENG 4508 &amp; 4509 with grade of B</i> ), 4571, 4581, 4586, 4592, 26, 4831, 4841, 4851, 4861, 4871, 4881, 4891, 4896 ( <i>All Pre: ENG 3000, Sr. standing</i> )
c.	Eng	lish Electives (9 s.h.)			
	1.	At least 6 s.h. at or	above 3000 level:		2. At least 3 s.h. at or above 2000 level:
IV.					12-21 or requirements must be courses offered by Appalachian.
v.		ECTIVES (taken to t		_	re)

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# Bachelor of Science (BS) Teaching Degree Code 234A

l.	GENERAL EDUCATION CURRICULUM			44
	ENG 2030, 2040, 2120, or 2130 may be used in General Education P		·	
II.	PROFESSIONAL EDUCATION REQUIREMENTS			
Αı	minimum grade of C is required in each professional education cours		·	ion to Teacher Educ.
	CI 2300 (2) Teaching and Learning in the Digital Age (Enti-			
	FDN 2400 (2) Critical Perspectives on Teaching and Learnin		00) (Entry course to teacher educa	tion)
	PSY 3010 (3) Psychology Applied to Teaching (Pre or Co: Cl			PROFICIENCIES:
	SPE 3300* (3) Creating Inclusive Learning Communities (Pre	e: CI 2300, FDN 240	00, PSY 3010)	Reading
	C I 3400* (2) Policies and Practice in Educational Assessment			English
	C   4900 (12) Student Teaching [CAP] (All courses in profess			Speech
	C (2.0) or higher prior to student teaching, along wit	h other courses (incl	uding methods and reading) identified	within the major.
	*Admission to Teacher Education required.  NOTE: To be admitted to the Teacher Education Program students must take	and satisfy testing r	equirements for Reading Writing and	Math areas of the
	PRAXIS (PPST or CBT). The PRAXIS II Area Exams are required for student tea		equirements for medaling, remaining and	That is all cas of the
III.	LANGUAGE (Completion of 6 semester hours at the *interme	ediate level, or h	nigher)	6
	1040 and 1050 or 1060 ; or hi	igher level courses	6	
*N	OTE: 1010 and 1020 (or 1030) are prerequisites for the intermediate level cour	ses. LLC 1050 or 106	60 may be used in Gen Ed Perspectives o	depending upon choices
IV.	MAJOR REQUIREMENTS			43
	A 2.0 major GPA is required for graduation. Major GPA calculation will inclu			
	taken to fulfill major requirements must be courses offered by Appalachian		•	
*En	glish Literature – Choose one course	ENG 4870 I	Literature of the British Romantic F	Period
	ENG 2010 British Literature to 1789 (followed by one of these)		Literature of the Victorian Period	
	$\longrightarrow$		20 <sup>th</sup> Century British Literature (190	
	OR	ENG 4895 2	20 <sup>th</sup> Century British Literature (194	-5-present)
		ENG 4820 I	Medieval British Literature	
	ENG 2020 P. Wish Libert and Joseph 4700 (6 Hz., 14)	ENG 4825	The Age of Chaucer	
_	ENG 2020 British Literature since 1789 (followed by one of these)		Renaissance Literature	
	3 hrs	ENG 4860 I	Restoration & 18 <sup>th</sup> Century Literatu	ure 3 hrs
*∆n	nerican Literature – Choose one course:	ENG 4580 9	Studies in African-American Literat	TIFO
711	ENG 2310 American Literature to 1865 (followed by one of these)		19 <sup>th</sup> Century American Literature	uic
_			20 <sup>th</sup> Century American Literature (2	1900-1945)
	OR		20 <sup>th</sup> Century American Literature (2	
			Fault Augustan Libraria	•
_	ENG 2320 American Literature since 1865 (followed by one of these)		Early American Literature 19 <sup>th</sup> Century American Literature	
	OR	ENG 4760 .	19 Century American Literature	
	On		Early American Literature	
_	ENG 2120 African-American Literature		19 <sup>th</sup> Century American Literature	
	OR (followed by one of these)	ENG 4790 2	20 <sup>th</sup> Century American Lit (1900-19	)45)
_	ENG 2130 Ethnic American Literature 3 hrs	ENG 4/95 2	20 <sup>th</sup> Century American Lit (1945-pr	esent) 3 hrs
*Re	quired World Literature (6 hrs)	Required Shakes	speare – Choose 1 course (3 hrs)	
	ENG 2030 World Literature to 1650 AND one of the following:	ENG 4830 S	Shakespeare Early Works OR	
	ENG 2040 World Lit since 1650 OR ENG 4590 World Lit	ENG 4840 S	Shakespeare Later Works	
Req	uired: Choose ONE from the following Literary Criticism, Genre Stud	y, and Creative W	riting Courses:	
_	ENG 3000 Approaches to Literary Studies (Pre: ENG 2001)	511 <b>0</b> 4 <b>5</b> 00		
_	ENG 3170 Advanced Studies in Film (Pre: ENG 2170)		Appalachian Literature	
_	ENG 3530-3549 Selected Topics ENG 3651 or 3652 Creative Writing: Poetry or :Prose	ENG 4730	Literary Criticism	
_	ENG 3710 Studies in Women & Literature		Colloquium (1-4 hrs)	
	ENG 3720 Studies in the Short Story		Advanced Folklore	
_	ENG 3740 Studies in Poetry		Jr/Sr Honors Sem (American Lit)	
	ENG 3750 Studies in Drama		Jr/Sr Honors Sem (World Lit)	3 hrs
sect	tion Two: Language, Writing, and Pedagogy **Required before begin	ining student teac		
	ENG 3300 Applied Grammar**  ENG 3500 Tcha Comp. Thomas Practice & Redarday** [MID] / Proc	ENC 2001 22001	ENG 4560 Adolescent Literat	
_	ENG 3580 Tchg Comp: Theory, Practice, & Pedagogy** [WID] (Pre: CI/ENG 4591* Theory & Practice in the Tchg of HS English** (*min.)		ENG 4660 History of the Engl	
_	ENG 3610 Studies in the Principles of Language**	grade Crequired)	LNO 3300 III.EHISIIIP III 3600	19 hrs
	REQUIRED COGNATE			
٠.	RE 4620* (3) Reading Instruction in the Middle/Jr & S			3
\/I	MINOR (optional)	i ingli Juliuui 1	viiiiiiiiiiiiiii C graae regairea	
	ELECTIVES (taken to total 122 hours for the degree)			2
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# <del>2014-2015</del> 2015-2016 (proposed in red)

Bachelor of Arts (BA) Degree Code 269A

# **Program of Study for Physics Majors**

II.		LANGUAGE (Completion of 6 semester hours at the *intermediate level, or higher)					6
	*NOTE: Languag	ge 1010 and 1020 (or 1030) ard 050 or 1060 may be used in General Ed	e prerequ	isites for the i	ntermedi	ate level courses.	
III.		duation. Major GPA calculation v semester hours of courses taken	will includ to fulfill	e <u>all</u> courses tal major requirem	ken in the ents must	major department, plus any other t be courses offered by Appalachian	
A.	Physics Core Requirements (36	5 semester hours):					
		al Physics I (Co: MAT 1020/1025)	OR			nalytical Physics I (Co: MAT 1110)	
	PHY 1104 (4) Genera	al Physics II (Pre: PHY 1103)		PHY 1151	(5) A	nalytical Physics II (Co: MAT 1120)	
		nediate Physics I (Pre: PHY 1104/1					
		nediate Physics II (Pre: PHY 2010;					
		s Laboratory Techniques and [				PHY 2020)	
		al Mechanics (Pre: PHY 3001 with					
		omagnetic Fields and Waves (P			th minimun	n grade of "C"; MAT 3130)	
	PHY 4210 ( <del>3</del> 4)Metho <del>6 to 8</del> 5 to 7 semester hours of	ods of Experimental Physics [C	_				
В.	Mathematics (15 semester ho	-					
В.	MAT 1110 (4) Calculu	us with Analytic Geometry I (Pr					
В.	MAT 1110 (4) Calculu MAT 1120 (4) Calculu	us with Analytic Geometry I <i>(Pr</i> us with Analytic Geometry II <i>(P</i>	re: MAT 11	10 w/min grade 0	C-)		
В.	MAT 1110 (4) Calculu MAT 1120 (4) Calculu MAT 2130 (4) Calculu	us with Analytic Geometry I (Prus with Analytic Geometry II (Prus with Analytic Geometry III (I	Pre: MAT 11 Pre: MAT 1	10 w/min grade 0 120 w/min grade	C-)		
В.	MAT 1110 (4) Calculu MAT 1120 (4) Calculu MAT 2130 (4) Calculu	us with Analytic Geometry I <i>(Pr</i> us with Analytic Geometry II <i>(P</i>	Pre: MAT 11 Pre: MAT 1	10 w/min grade 0 120 w/min grade	C-)		
	MAT 1110(4) Calculu MAT 1120(4) Calculu MAT 2130(4) Calculu MAT 3130(3) Introde	us with Analytic Geometry I (Prus with Analytic Geometry II (Prus with Analytic Geometry III (I	Pre: MAT 11 Pre: MAT 1	10 w/min grade 0 120 w/min grade	C-)		
	MAT 1110 (4) Calculu MAT 1120 (4) Calculu MAT 2130 (4) Calculu MAT 3130 (3) Introde  Chemistry (8 semester hours)	us with Analytic Geometry I (Prus with Analytic Geometry II (Prus with Analytic Geometry III (Prus with Analytic Geometry II (Prus with Analytic Geomet	Pre: MAT 11 Pre: MAT 1 NS (Pre: MA	10 w/min grade 0 120 w/min grade	C-)		
	MAT 1110 (4) Calculu MAT 1120 (4) Calculu MAT 2130 (4) Calculu MAT 3130 (3) Introde  Chemistry (8 semester hours) CHE 1101 (3) Introde	us with Analytic Geometry I (Prus with Analytic Geometry II (Prus with Analytic Geometry III (Prus with Analytic Geometry II (Prus with Analytic Geomet	Pre: MAT 11 Pre: MAT 1 IS (Pre: MA D)	10 w/min grade 0 120 w/min grade	C-)		
	MAT 1110 (4) Calculu MAT 1120 (4) Calculu MAT 2130 (4) Calculu MAT 3130 (3) Introde  Chemistry (8 semester hours) CHE 1101 (3) Introde	us with Analytic Geometry I (Prous with Analytic Geometry II (Prous with Analytic Geometry III (Prous with Analytic Geometry II (Co: CHE 1110) with Analytic Geometry I (Co: CHE 1110) with Analytic Geometry II (Co: CHE 1110) with Analytic Geometry II (Co: CHE 1110) with Analytic Geometry II (Co: CHE 1110) with Analytic Geometry III (Prous with Analytic Geometry II	Pre: MAT 11 Pre: MAT 1 NS (Pre: MA D) 1101)	10 w/min grade C 120 w/min grade T 1120)	C-)		
	MAT 1110(4) Calculu MAT 1120(4) Calculu MAT 2130(4) Calculu MAT 3130(3) Introduce Chemistry (8 semester hours) CHE 1101(3) Introduce CHE 1110(1) Introduce CHE 1110(1) Introduce CHE 1110(1) Introduce CALCULU	us with Analytic Geometry I (Presented in Section 1) (Presecution 1) (Pres	Pre: MAT 11 Pre: MAT 1 NS (Pre: MA D) 1101)	10 w/min grade C 120 w/min grade T 1120)	C-)		
C.	MAT 1110(4) Calculu MAT 1120(4) Calculu MAT 2130(4) Calculu MAT 3130(3) Introduced Chemistry (8 semester hours) CHE 1101(3) Introduced CHE 1110(1) Introduced CHE 1102(3) Introduced CHE 1102(3) Introduced CHE 1102(3)	us with Analytic Geometry I (Prosession of the Control of the Cont	Pre: MAT 11 Pre: MAT 1  IS (Pre: MA  ))  1101)  01/1110; Co	10 w/min grade C 120 w/min grade T 1120) o: CHE 1120)	?-) C-)	1	2-21

# 2014-2015 2015-2016 (proposed in red)

Bachelor of Science (BS) Non-Teaching Degree Code 270\* Concentration Code 270B Program of Study for Physics Majors APPLIED PHYSICS

I.	GENERAL EDUCATION CURRICULUM	44
II.	MAJOR REQUIREMENTS (not including up to 13 s.h. counted in Area 1, above)	, plus
A.	Physics (32 semester hours)  PHY 1103(4) General Physics I (Co: MAT 1020/1025) OR PHY 1150(5) Analytical Physics I (Co: MAT 1110 PHY 1104(4) General Physics II (Pre: PHY 1103) PHY 1151(5) Analytical Physics II (Co: MAT 1120 PHY 2010(4) Intermediate Physics I (Pre: PHY 1104/1151; MAT 1120)  PHY 2020(4) Intermediate Physics II (Pre: PHY 2010; MAT 2130)  PHY 2210(3) Physics Laboratory Techniques and Data Analysis [WID] (Pre: ENG 2001; Co: PHY 2020)  PHY 3210(3) Modern Physics I (Pre: PHY 1151; Co: PHY 2010)  PHY 4210(3 4) Methods of Experimental Physics [CAP] (Pre: PHY 2210)  5-7- 4-6 hours of Physics electives required to complete 32 semester hours:	
В.	Mathematics (12 semester hours)  MAT 1110 (4) Calculus with Analytic Geometry I (Pre: MAT 1025 w/min grade C-)  MAT 1120 (4) Calculus with Analytic Geometry II (Pre: MAT 1110 w/min grade C-)  MAT 2130 (4) Calculus with Analytic Geometry III (Pre: MAT 1120 w/min grade C-)	
c.	At least 18 semester hours in an emphasis area  A committee consisting of three faculty members, at least two of which must be from the Department of Physics and Astronomy, must approve a program of study and any subsequent modification. Some suggested emphasis areas are: astrophysics, geophysics, environmental physics, engineering electronics, radiation safety physics, medical physics, technic management, industrial physics, computational physics, mathematical physics, and technical writing. Many other combination of the members areas are possible and will be developed in consultation with the departmental chairman and the faculty advicementation.	ations
III.	MINOR (optional)	
IV.	ELECTIVES (taken to total 122 hours for the degree)	<u>29</u> 122

#### <del>2014-2015</del> 2015-2016 (proposed in red)

**Bachelor of Science (BS) Program of Study for Physics Majors** Degree Code 270\* PHYSICS **Concentration Code 270X** SECONDARY EDUCATION LICENSURE GENERAL EDUCATION CURRICULUM ......44 Physics 1150 & 1151 or 1103 & 1104 fulfill the Science Inquiry perspective. MAT 1110 fulfills the Quantitative Literacy requirement. PROFESSIONAL EDUCATION REQUIREMENTS ......24 A minimum grade of C is required in each professional education course. CI 2300 & FDN 2400 are required prior to admission to Teacher Educ. \_\_\_\_\_ (2) Teaching and Learning in the Digital Age (Entry course to teacher education) CI 2300 FDN 2400 \_\_\_\_\_ (2) Critical Perspectives on Teaching and Learning (Pre or Co: Cl 2300) (Entry course to teacher education) PSY 3010 \_\_\_\_\_(3) Psychology Applied to Teaching (Pre or Co: CI 2300) **PROFICIENCIES:** SPE 3300\* \_\_\_\_\_ (3) Creating Inclusive Learning Communities (Pre: CI 2300, FDN 2400, PSY 3010) Reading C | 3400\* \_\_\_\_\_ (2) Policies and Practice in Educational Assessment (Pre: CI 2300, FDN 2400, PSY 3010) English \_\_\_\_\_ C I 4900 \_\_\_\_\_ (12) Student Teaching [CAP] (All courses in professional core must be completed with grades of Speech C (2.0) or higher prior to student teaching, along with other courses (including methods and reading) identified within the major. \*Admission to Teacher Education required. NOTE: To be admitted to the Teacher Education Program students must take and satisfy testing requirements for Reading, Writing and Math areas of the PRAXIS (PPST or CBT). The PRAXIS II Area Exams are required for student teaching. 2.0 major GPA is required for graduation. Major GPA calculation will include all courses taken in the major department, plus any other courses under III. Minimum of 18 semester hours of courses taken to fulfill major requirements must be courses offered by Appalachian. **Area of Specialization for teaching physics:** (minimum of 32 semester hours) \_\_ (4) General Physics I (Co: MAT 1020/1025) OR PHY 1150\_\_\_\_\_(5) Analytical Physics I (Co: MAT 1110) PHY 1103 PHY 1104 (4) General Physics II (Pre: PHY 1103) PHY 1151 (5) Analytical Physics II ( (Co: MAT 1120) PHY 2010 (4) Intermediate Physics I (Pre: PHY 1104/1151: MAT 1120) (4) Intermediate Physics II (Pre: PHY 2010; MAT 2130) PHY 2020 PHY 2210 (3) Physics Laboratory Techniques and Data Analysis [WID] (Co: ENG 2001, PHY 2020) \_\_\_\_\_ (3) Modern Physics I (Pre: PHY 1151; Co: PHY 2010) PHY 3210 (3) Physics Instruction Practicum (Pre: PHY 1104 or 1151) PHY 3400 (1) Instructional Assistance (Pre: Jr/Sr standing) PHY 3520 PHY 4210 (3 4) Methods of Experimental Physics [CAP] (Pre: PHY 2210) 1 to 3 0 to 2 hours in PHY & AST electives for minimum of 32 hours in Physics \_\_\_\_ B. Biology (4 sh) BIO 1801 (4) Biological Concepts I (Co: CHE 1101) C. Geology (4 sh) **GLY 1101** (4) Introduction to Physical Geology D. Chemistry (8 sh) \_\_ (3) Introductory Chemistry I (Co: CHE 1110) CHE 1101 CHE 1110 (1) Introductory Chemistry I Lab (Co: CHE 1101) CHE 1102 (3) Introductory Chemistry II (Pre: CHE 1101/1110; Co: CHE 1120) (1) Introductory Chemistry II Lab (Co: CHE 1102) CHE 1120 E. Mathematics (12 sh) MAT 1110 (4) Calculus with Analytic Geometry I (Pre: MAT 1025 w/min grade C-) \_ (4) Calculus with Analytic Geometry II (Pre: MAT 1110 w/min grade C-) MAT 1120 MAT 2130 (4) Calculus with Analytic Geometry III (Pre: MAT 1120 w/min grade C-) F. Other Required Courses (6 sh) (\*Minimum "C" grade required) (1) Secondary Science Field Experience (Pre: Jr/Sr standing) PHY 3521 G S 4403\* (3) Teaching Science in Middle and High Schools [WID] (Pre: ENG 2001) (2) Reading in the Content Areas R E 4630\* G. Additional Required Courses (minimum 3 sh) (Select from the following) \_\_\_ (4) Introductory Astronomy I - Solar System AST 1001 \_ (3) Basic Statistics (Pre: MAT 1010) MAT 3130 \_\_\_\_\_ (3) Intro to Differential Equations (Pre: MAT 1120) STT 2810 PHY 3140 \_\_ (3) Environmental Phy (Pre: 1104/1151) PHY 4020 \_\_\_\_\_ (3) Comp Meth in Physics & Engineering (Pre: PHY 2010&2020 \_\_ (3) Digital Electronics PHY 4730 \_\_\_\_\_ (3) Analog Systems (*Pre: PHY 3210*) PHY 4330 w/"C" or better; MAT 2130) IV. MINOR (optional) V. ELECTIVES (taken to total 122 hours for the degree)..... Total hours required for graduation 127

#### **NEW**

# PROGRAM OF STUDY FOR THE GRADUATE CERTIFICATE IN SYSTEMIC MULTICULTURAL COUNSELING

**Admission Requirements:** Master's degree\* from an accredited college or university or enrollment in a master's program; complete application to the Graduate School; a completed Department of Human Development and Psychological Counseling questionnaire.

\*Applicants with baccalaureate degrees will be considered for admission provided they have experience working in a mental health related field.

Location: On Campus

Course Requirements for the Graduate Certificate in Systemic Multicultural Counseling (Code: 447A)  Semester Hours Required (minimum): 12		
Required Courses	HPC 5510: Multicultural Counseling (3) HPC 5270: Theories of Marriage and Family Therapy I (3) HPC 6525: Advanced Systemic Multicultural Counseling (3) Choose one of the following courses:  • HPC 5271: Theories of Marriage and Family Therapy II (3) • HPC 5272: Individual and Family Development (3) • HPC 5274: Substance Abuse in Family Systems (3) • HPC 5570: Counseling the Addicted Person (3)	12

#### **NEW**

### PROGRAM OF STUDY FOR THE GRADUATE CERTIFICATE IN READING EDUCATION

This certificate does not lead to NC licensure; however, completion of the 12-hour certificate partially fulfills the 18-hour requirement for the add-on Reading Education license for NC and may be used toward the fulfillment of the 39-hour requirement for the MA degree in Reading Education.

**Admission Requirements:** Baccalaureate degree from an accredited college or university; complete application to the Graduate School.

**Location:** On Campus and Off Campus; Off-Campus applications are accepted on a rolling basis; please contact the Office of Distance Education for locations (http://www.distance.appstate.edu).

Course Requirements for the Graduate Certificate in Reading Education (Code: xxxA) Semester Hours Required (minimum): 12			
Required Courses	<ul> <li>Students will select four courses from the following with advisor approval:</li> <li>RE 5100: Teaching Beginning Readers and Writers (3)</li> <li>RE 5111: Issues, Trends, and Practices in Reading (3)</li> <li>RE 5130: Teaching the Language Arts (3)</li> <li>RE 5140: Advanced Study of Children's Literature (3)</li> <li>RE 5531: Selected Topics (3) – when topic is related to the Clinical Teaching of Reading</li> <li>RE 5715: Reading Assessment and Correction (3)</li> <li>RE 5725: Practicum in the Clinical Teaching of Reading (3)</li> <li>RE 5730: Reading and Writing Instruction for Intermediate and Advanced Learners (3)</li> </ul>	12	

# **REVISED**

-	ements for the Master of Science in Computer Science (Code: 224, 8 Required (minimum): 30 (THESIS) or 36	<b>A</b> )
Required Courses	<ul> <li>CS 5100: Seminar in Computer Science (3)</li> <li>CS 5110: Design and Analysis of Algorithms (3)</li> <li>CS 5483: Computer Architecture (3)</li> <li>CS 5520: Operating Systems (4)</li> <li>CS 5666: Software Engineering (3)</li> </ul>	16
Thesis Option (CHOOSE ONE)	With Thesis (14 s.h.)  CS 5998: Thesis Preparation (3)  CS 5999: Thesis (6)  Approved Electives (5)  OR  Without Thesis (20 s.h.)  CS 5800: Project (3)  17 s.h. of approved graduate electives	14 or 20