

# Academic Council Minutes

## September 19, 2012

The Academic Council did not meet on September 19, 2012. However, the agenda was distributed to the Council electronically and voting members responded with their vote to adopt or not adopt the agenda items. The agenda and minutes from the August meeting were distributed to the following:

### Voting members

Dr. Matthew Capps, Dean, West College of Education  
 Dr. Ron Fischli, Dean, Lamar D. Fain College of Fine Arts  
 Dr. James Johnston, Interim Dean, College of Health Sciences and Human Services  
 Dr. Lynn Little, Dean, College of Science and Mathematics  
 Dr. Jane Owen, Interim Dean, Graduate School  
 Dr. Terry Patton, Dean, Dillard College of Business Administration  
 Dr. Kathleen Roberts, Faculty Senate Vice President  
 Dr. Sam Watson, Dean, Prothro-Yeager College of Humanities and Social Sciences  
 Student Government Association Vice-President

### Non-voting members

Ms. Naoma Clark, Director, Academic Support Center  
 Ms. Darla English, Registrar  
 Ms. Linda Knox, Assistant Registrar  
 Dr. Clara Latham, University Librarian  
 Ms. Barb Merkle, Director of Admissions  
 Dr. Pamela Morgan, Associate Vice President for Outreach and Engagement  
 Ms. Reagan Foster, Staff Senate Representative  
 Dr. Michael Vandehey, Chair, Honors Program Chair  
 Dr. Larry Williams, Director, International Programs

### **Approval of Minutes**

The voting members of the Academic Council approved the adoption of the Minutes from the August 15, 2012 meeting.

### **New Business**

The voting members of the Academic Council adopted the following course and catalog changes:

#### Dillard College of Business Administration

Change of Course Prerequisite, effective Fall 2012

#### **ACCT 3033. Intermediate Accounting I**

From Prerequisite: FINC 3733 currently enrolled or completed.

To Prerequisite: ACCT 3023 with a grade of "C" or higher; FINC 3733 currently enrolled or completed.

College of Science and Mathematics

Addition of Option C in Chemistry Major, effective Fall 2013

DEPARTMENT OF CHEMISTRY, GEOSCIENCES  
AND PHYSICS

Rodney Cate, Chair (Bolin Hall 307B)

CHEMISTRY

Professors: Cate, Rogers  
Associate Professors: Hallford, Hansen, Shao  
Assistant Professor: Fulton  
Professor Emeritus: Sund

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MISSION STATEMENT FOR THE CHEMISTRY PROGRAM

The mission of the Chemistry Program is to prepare students for graduate study or employment in a vast array of chemically-related fields. The courses are designed to provide a strong knowledge and skills-based foundation for pursuing advanced degrees in the chemical sciences or such health related fields as human and veterinary medicine, dentistry, and pharmacy.

Programs of study leading to the degree of Bachelor of Science with a major in chemistry are as follows:

A. Professional option.

This program provides the academic foundation for students who may wish to continue their studies in graduate chemistry, chemical engineering, or biochemistry. Students completing this program with 3 additional advanced chemistry hours and a chemistry GPA of 2.5 or better will be certified by the Committee on Professional Training of the American Chemical Society.

B. Interdisciplinary option.

This program provides the academic foundation for students who may wish to continue their studies in professional schools of medicine, dentistry, or veterinary medicine or those who desire an emphasis in business, computer science, or other areas.

C. **Biochemistry option.**

**This program provides the academic foundation for students to continue their studies in the field of biochemistry at the level of graduate biochemistry or graduate biology. Students will also be able to matriculate into the Research and Development areas of industry and areas of forensic science.**

The requirements for the degree of Bachelor of Science with a major in chemistry are as follows:

General: (see page 89)

Academic Foundations and Core Curriculum: (see page 91)

Bachelor of Science: (see page 93)

## Major

### Option A, ACS Certification

CHEM 1141, 1143, 1241, 1243, 1253, 2001, 2003, 2011, 2013, 3305, 3405, 3603, 3705, 4243, 4305, two hours of 4001, ~~MATH 2603 (Math for Thermodynamics)~~. **Three additional advanced hours in chemistry, exclusive of 3504 and 4505.** One additional advanced laboratory hour in chemistry is required, exclusive of 3504 and 4505. (Those students who wish to continue their studies in graduate biochemistry should take CHEM 4242 and 4253.)

### American Chemical Society Certification--With Honors

This designation will be awarded to students fulfilling the following:

1. All regular requirements for the Bachelor of Science with a major in chemistry (Option A) and all the requirements for certification by the Committee on Professional Training of the American Chemical Society.
2. Minimum GPA: 3.0 overall; 3.3 in chemistry courses.
3. A minimum of 4 semester hours must be earned in independent research (CHEM 4911, 4922, 4933); this should be commenced in the junior year or earlier.
4. Acceptance of a B.S. research paper (covering the undergraduate independent research project) by the chemistry faculty and the chair of the Honors Committee.
5. Presentation of a public lecture on the research paper to the chemistry faculty.

### Option B

CHEM 1141, 1143, 1241, 1243, 2001, 2003, 2011, 2013, 3305, 3603, two hours of 4001, ~~MATH 2603 (Math for Thermodynamics)~~, and either CHEM 3405 or 4242 and 4243 or 3705 or 3504 and 4505.

### Option C

CHEM 1141, 1143, 1241, 1243, 2003, 2001, 2013, 2011, 4243, 4242, 4253, two hours of 4001, 2 classes from the following (CHEM 3305, 3405, 3603, 3705, 4133, 4305), and 2 classes from the following (BIOL 3044, 3334, 3434, 4233 and 4231, 4023 and 4021, 4714).

## Optional Minor

### Option A

Professional Chemistry or Prechemical Engineering:

Mathematics (See page 346 and the Chemistry Program Advisor for specific course requirements.) OR

Physics (see page 334 and the Chemistry Program Advisor for specific course requirements); OR

Other (see the Chemistry Program Advisor for specific course requirements); OR

~~Professional Biochemistry – Biology (See page 319 and the Chemistry Program Advisor for specific course requirements.)~~

**Option B**

Pre-Medical, Pre-Dental or Pre-Veterinary - Biology (See page 319 and the Health Professions Advisor for specific course requirements.); OR  
 Business Emphasis - Business Administration (See page 108.); OR  
 Computer Science Emphasis - Computer Science (See page 337.)  
 Others (See your academic advisor.)

**Option C**

**Biology – (See page 319 and the Health Professions Advisor for specific course requirements.)**  
**Others – (See your academic advisor.)**

## Additional Requirements:

Requirements common to ~~both all~~ optional degree plans:

~~MATH 1233 and 1433 or MATH 1534; MATH 1634 and 1734; MATH 2603; PHYS 1624 and 2644; and one year of a foreign language. (MATH 2603 – Math for Thermodynamics must be completed in the spring before Physical Chemistry I.)~~  
 Math 1634, 1734, STAT 3573, PHYS 1624, 2644, one year of a foreign language

## Option A

**MATH 2603, MATH 2534**

## Option B

~~See the Health Professions Advisor for additional Pre-Veterinary medical requirements.~~  
**MATH 2603, See Advisor for additional requirements**

## Option C

**BIOL 1144, 1544, 3054, 3064**

## Electives

~~Additional hours to total a minimum of 122 (including exercise physiology requirements).~~

**Additional hours as needed to total a minimum of 120 hrs with a minimum of 33 advanced.**

## REQUIREMENTS FOR A MINOR IN CHEMISTRY (22 semester hours)

CHEM 1141, 1143, 1241, 1243, and 14 additional hours of which 6 must be advanced, exclusive of introductory environmental chemistry.

Special Problems in CHEM 4911, 4922, 4933 may not be counted toward the minor in chemistry.

## COURSES IN CHEMISTRY (CHEM)

no changes made

**Adjournment**

Respectfully submitted,

Deb Schulte, Assistant to the Provost