

**Minutes for the Subcommittee on Curriculum  
Thursday 7 October 2004  
3:30 PM Room 251 University Center**

Members Present: Sara Brackin, Stephen Bukowy, Kelly Charlton, Tony Curtis, Martin Farley, Bill Gash, Maria Pereira, Karen Stanley, Mark Thompson, Susan Whitt

Members Absent Excused: Susan Edkins, Travis Stockley

Members Absent Unexcused: SGA Representative

Guests: Jeff Geller, Joe Miller, Stephen Ramey, Chuck Lillie, Len Holmes

1. Meeting was called to order at 3:30
2. 2 September 2004 Minutes were approved
3. Agenda was approved
4. Proposals from the Dept of **Philosophy & Religion** were passed unanimously
  - 4.1 New Course
    - a. **REL 122 Understanding Religious Practices** a 3-hr elective Prereq None
    - b. **REL 303 Islam** a 3-hr elective Prereq None
    - c. **PHI 320 Ethics, Politics and Law** a 3-hr elective Prereq PHI 204
5. Proposals from the **Dept of History** were passed unanimously pending approval by Grad Council
  - 5.1 Minor Changes
    - a. **Renumber SSE 500 Social Studies Curriculum Transformation to SSE 575.** The number change is needed to keep courses in order. **ADD** Prereq is SSE 550
    - b. **Renumber SSE 548 Advanced Social Studies Methods to SSE 550** The number change is needed to keep the courses in order.
6. Proposal from School of **Education** was passed unanimously
  - 6.1 **Change the MSA program by deleting EDNL 570 Educational Decision Making, and adding EDN 566 Applied Educational Research.**
7. Proposals from the **Mathematics and Computer Science** Department were passed unanimously except for 7.31 & 7.34 which were withdrawn.

7.1 **Restructure the Bachelor of Science in Computer Science Program** to be as follows:

Freshman Seminar	1
Gen Ed	44
Major Requirements	
CSC 175, 176, 185, 215, 225, 226, 265, 285, 292, 372; MAT 221, 222, 315, 328	44
Four Courses from one of the following areas (at least one 400 level course)	
Area I: CSC 335, 338, 365, 401, 415, 435, 445, 490 MAT 327	
Area II: CSC 380, 391, 392, 393, 401, 415, 445, 481, 482, 490	12
Other electives	17-19
Total	120

- 7.2 Create two new Minors in Computer Science**
- a. Minor in Computer Science with Emphasis in Programming
    - 1. CSC 175, 176, 185, 215, 225; one course from CSC 130, 226, 265, 285, or 292
  - b. Minor in Computer Science with Emphasis in World Wide Web
    - 1. CSC 130, 175, 190, 226, 338
- 7.3 Add new elective Course CSC 130 WWW Information** Prereq-None 3Hr
- 7.4 Add new required Course CSC 176 Introduction to Programming** CoReq CSC 175
- 7.5 Add new required Course CSC 226 Operating Systems and Networking**  
Prereq "C" or better in CSC 175 and CSC 176
- 7.6 Add new required course CSC 265 Digital Logic** Prereq "C" or better in CSC 215
- 7.7 Add new elective course CSC 280 Information & Knowledge Management**  
Prereq CSC 185 and CSC 215
- 7.8 Add new required course CSC 292 Software Development and Professional Practices** Prereq None
- 7.9 Add new elective course CSC 338 Programming for the World Wide Web**  
Prereq CSC 185 or CSC 190; and CSC 226
- 7.10 Add new elective course CSC 391 Software Engineering** Prereq CSC 292
- 7.11 Add new elective course CSC 392 Software Process Improvement**  
Prereq CSC 391
- 7.12 Add new elective course CSC 393 Component Based Computing**  
Prereq CSC 391
- 7.13 Add new elective course CSC 481 Data Mining** Prereq CSC 380
- 7.14 Add new elective course CSC 482 Data Warehousing** Prereq 380
- 7.15 Add new elective course CSC 401 Theory of Computation** Prereq CSC 325 and CSC 355
- 7.16 Add new elective course CSC 335 Network Management** Prereq CSC 185 and CSC 226
- 7.17 Change course number CSC 425 to elective course CSC 490 Advanced Software Project** Change Prereq to CSC 225 and CSC 285
- 7.18 Add new required course CSC 185 Object Oriented Programming**  
Prereq MAT 109 or MAT 107 and 108 and "C" or better in CSC 175 and CSC 176
- 7.19 Change course number CSC 325 to required course CSC 225 Fundamentals of Computer Systems** Change Prereq to CSC 215; coreq CSC 185 with a "B-" or better in CSC 175
- 7.20 Change course number CSC 355 to CSC 285 Data Structures** Change Prereq to CSC 215 and "C" or better in CSC 185
- 7.21 Change course Number and Title CSC 205 Introduction to Programming-JAVA to CSC 190 JAVA Programming** and change the Prereq to CSC 175 and CSC 176

- 7.22 **Change the course Number and Title CSC Programming and Algorithm I** to CSC 175 Introduction to Algorithms **Delete** the Prereq of CSC 155 and add coreq of CSC 176
  - 7.23 **Delete** course **CSC 455 Systems Analysis and Design Project**
  - 7.24 **Delete** course **CSC 495 Seminar in Computer Science**
  - 7.25 **Delete** course **CSC 496 Seminar in Computer Science**
  - 7.26 **Delete** course **CSC 395 Introduction to Finite Automata**
  - 7.27 **Delete** course **CSC 390 Network and Communications**
  - 7.28 **Delete** course **CSC 385 File Processing**
  - 7.29 **Delete** course **CSC 380 Database Management Systems**
  - 7.30 **Delete** course **CSC 275 Programming & Algorithms II**
  - 7.31 **Delete** course **CSC 205 Programming-C**
  - 7.32 **Delete** course **CSC 201 Introduction to Computer Programming-COBOL**
  - 7.33 **Delete** course **CSC 200 Introduction to Computer Programming-Fortran**
  - 7.34 **Delete** course **CSC 155 Foundations of Computing**
- 8 Proposal from the Biology and Chemistry and Physics Departments was amended to delete MAT 109 and was then passed unanimously
- 8.3 **Create** a new **Interdisciplinary Degree –Biotechnology** (see attached)
  - 8.4 **Add** a new required course **BIO 490 Internship/Co-op** to the Biotechnology Program
- 9 There was no old business
- 10 There was no new business
- 11 Announcements:
- 11.1 Meeting Dates Nov 4, Dec 2, Feb 3, Mar 3, Apr 7. All are at 3:30 Rm 251 UC
- 12 Adjourned at 4:10 PM

Respectfully Submitted,

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Stephen J. Bukowy, Chair

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Martin Farley, Secretary

## Proposed Courses for BS in Biotechnology

General Education Requirements	44
Biology Core Course Requirements	24
<b><i>BIO 100 Introductory Biology</i></b>	(3)
BIO 100L Laboratory Investigations and Experiences in General Biology 1	
BIO 315 Microbiology	4
BIO 320 Developmental Biology	4
BIO 323 Biotechnology II	4
BIO 371 Cell Biology	4
BIO 472 Principles of Genetics	4
BIO 490 Internship/Co-Op	4
Chemistry/Physics Core Course Requirements	21-24
<b><i>CHM 130 General Chemistry</i></b>	(3)
CHM 110 General Chemistry Laboratory I	1
*CHM 131 General Chemistry II	3
CHM 111 General Chemistry Laboratory II	1
CHM 250 Organic Chemistry	4
CHM 227 Analytic Chemistry	4
CHM 311 Biochemistry	3
CHM 312 Experimental Methods in Biochemistry	1
CHM 351 Bioprocessing	3
*PHY 150 College Physics I	4
BIO/CHM/PHY Electives (Choose 3 of the following)	11-12
BIO 351 Research Strategies	3
BIO 381 Immunology	3
CHM 331 Bioanalytical Chemistry	4
*PHY 151 College Physics II	4
Mathematic Course Requirements	0-8
*MAT 221 Calculus I	4
*MAT 222 Calculus II	4
Free Electives	9-18
Total	120

***Note: Hours in bold, italics are already included in the 44 hours for General Education. Courses marked with “\*” are also from the General Education Program.***