The University Curriculum Committee (UCC)
Meeting Minutes
Thursday, December 11, 2014

Regular Members Present:
Lori Flint (Chair)
Jean-Luc Scemama (Vice Chair)
Mark Richardson (Secretary)
Ken Anselmi
Gail Ratcliff
Karen Vail-Smith

Regular Members Excused:
Michael Dingfelder
Nathalie Mizelle

Ex-Officio Members Present:
Josie Bowman
Erin Parrish
Rita Reaves
Michele Wallen

Ex-Officio Members Excused:
Ashley Carr

IPAR Office of Academic Program Planning and Development (OAPPD):
Kimberly Nicholson

Office of the Registrar:
Diane Coltraine

Guests:
College of Engineering and Technology: David Batts
College of Health and Human Performance: Katie Flanagan, Rhonda Kenny, Dave Kemble, and Susan McGhee
Thomas Harriot College of Arts and Sciences: Andrea Carter, Jim Collins, Lida Cope, and Marianne Montgomery

Actions of Committee:
*Items identified with yellow highlighting are programmatic in nature and will require review by the EPPC following UCC approval.*

I. Call to Order

1. The 10-23-14 UCC minutes were presented at the 12-02-14 meeting Faculty Senate meeting.

2. The 11-13-14 UCC minutes were distributed to the UCC members for an electronic vote. Jean-Luc Scemama moves to approve, and Professor Vail-Smith seconded. The motion was approved.
II. College of Engineering and Technology, Department of Technology Systems

David Batts

1. Revision of Existing Courses: ICTN 4501, ICTN 4502, ICTN 4503

   Discussion: Dr. Batts introduced the three items that his department want to change in the BS in Industrial Technology degree: adding ICTN 4501, 4503 and 4505 to the list of courses students may choose from to fulfill their concentration core, changing approved electives to free electives, and correcting the maximum number of repeatable s. h. for ITEC 4501, 4502, and 4503. He explained that while special topics courses do not ordinarily have a limit to the number of times they can be taken, in the fall of 2013 the UCC had recommended a maximum of 3 s.h. for repeatability of these courses. However with regard to these courses, the department faculty did not want to limit them to a maximum of 3 s.h. So Dr. Batts is bringing these courses back as course revisions for repeatability with no limit but require consent of the department chair. Dr. Ratcliff stated that her only concern with the course revisions was that the syllabus supplied was very generic, however the UCC committee agreed that this was acceptable. Ms. Nicholson stated one issue to be aware of is that a course will not be approved for financial aid for a third time without a change of title. Dr. Ratcliff asked if the courses have a secondary title so it doesn’t appear like the same course, and Dr. Batts says yes. Dr. Ratcliff asked if they are considering reducing hours to 120 hours instead of having all the free electives, and Dr. Batts stated they were not proceeding with that at this point. Dr. Bowman asked if some of the topic courses might become solid general courses, and Dr. Batts replied that some of these courses might become regular courses in the future. Dr. Flint replied that the special topics approach was often used by departments--to use special topics to try out new ideas for new courses. Regarding course repetition, Ms. Coltraine suggested that the course description should eliminate “ITEC 4501, 4502, and 4503 may be repeated with consent of chair” from all three proposals and just use “May be repeated with consent of chair.” Dr. Batts agreed to make this change and added that the department chair will check to see that there will be a different topic each time the course is taught. Professor Vail-Smith stated that they may want to remove the “F, S, SS” semester indications from the course description because by listing them you are obligated to teach it every semester and students will expect it (unless you intend to offer it every semester). Dr. Batts responded that he will change this on all three course descriptions and also in the marked catalog copy. Dr. Reaves recommended revision of the participle and verbs in the justification and indicate the need for flexibility.

   Action Taken: A motion to approve as amended was made by Dr. Scemama and seconded by Dr. Ratcliff. The motion was approved.

2. Revision of Existing Degree: BS in Industrial Technology

   Discussion: The committee approved the additional changes stated in the memo of request.

   Action Taken: A motion to approve as amended was made by Dr. Scemama and seconded by Dr. Ratcliff. The motion was approved.
III. College of Health and Human Performance, Department of Health Education and Promotion
Kate Flanagan and Susan McGhee and David Kimball

1. Prerequisite and Editorial Revision of Existing Courses: ATEP 2811, 3270, 3271, 3272, 3280, 3810, 3811

   - Discussion: Dr. Flanagan stated that her department determined that catalog cleanup was needed for certain courses regarding prerequisites. Dr. Scemama asked about adding the labs to the Biology classes 2140 and 2150 (must take lab with the course) as part of the prerequisites. Ms. Nicholson says that the change needs to be made to the catalog copy. Ms. Coltraine clarified that this is an editorial change. Dr. Flint summarized that the change will be made in the memo, and Ms. Coltraine agreed to make the editorial change. It was noted that the Department of Biology was not notified of this revision package by the unit. Dr Scemama volunteered to take care of the notification to biology faculty.

   - Action Taken: A motion to approve as amended was made by Dr. Scemama and seconded by Dr. Ratcliff. The motion was approved.

IV. College of Health and Human Performance, Department of Kinesiology
Susan McGhee and Dave Kemble

1. Proposal of New Courses: EXSS 1070, EXSS 4020, EXSS 4030

   - Discussion: Mr. Kemble introduced the packages with new courses to be added. He explained that EXSS 4020 and EXSS 4030 were new courses previously delivered as 5000-level courses. Dr. Flint added that they might be able to get diversity credit for EXSS 1070 if the philosophy of yoga was discussed.

   - Action Taken: A motion to approve was made by Dr. Reaves and seconded by Dr. Scemama. The motion was approved.

2. Revision of Existing Degree: BS in Exercise Physiology, BS in Health Fitness Specialist

   - Discussion: Mr. Kemble explained the changes that were being made to the marked catalog copy for the Health Fitness Specialist program. Dr. Anselmi asked about the particular chemistry courses, and Mr. Kemble replied that CHEM 1020 or higher is the course that advisors would recommend. Dr. Scemama asked about why BIOL 2150/2151 courses were selected, and Mr. Kemble explained that these were the ones most suitable for the cognate.

   - Action Taken: A motion to approve was made by Dr. Reaves and seconded by Dr. Scemama. The motion was approved.

3. Revise EXSS Prefix to KINE (all courses and all instances in the undergraduate catalog)

   - Discussion: Ms. Coltraine asked about the prefix revisions and reminded them that this will affect seven course titles. Dr. McGhee asked that the change the course titles not be made—let the faculty to do that one by one. Dr. Reaves asked about the
Foundations category of Exercise and Sport Science, and she stated that this change couldn’t be made until the Foundations Curriculum and Instructional Effectivement (FCIE) committee approves. Dr. Reaves stated that the UCC could approve pending approval from Dr. Bailey, chair of the FCIE. Ms. Coltraine stated that there is a list of courses with special designations that include Foundations courses. Dr. Flint concurred that UCC will need to work with Dr. Bailey and the FCIE so that this change in prefix can be revised consistently throughout the undergraduate course catalog. Dr. Vail-Smith suggested Health and Fitness as an option to replace Exercise and Sport Science for foundations. The designation itself of (FC:EX) will also need to be looked at.

- Action Taken: Dr. Reaves made a motion to approve this package as amended, with future clarification to be obtained by the UCC from the FCIE. Dr. Scemama seconded the motion. The motion was approved.

V. Thomas Harriot College of Arts and Sciences, Department of Chemistry
Andrea Carter and Jim Collins

1. Proposal of New Courses: CHEM 4350, CHEM 4351, CHEM 4522, CHEM 4550

- Discussion: Dr. Carter introduced the courses that were at the 5000-level courses and are now being introduced as 4000-level courses as well as a special topics course geared for undergrads (5000-level course) that is being introduced as a new course. Professor Vail-Smith praised the work completed on the course justifications stating that they were well done. Regarding CHEM 4350, Dr. Wallen stated the response to Item 9 should be N/A rather than No; she also recommended that bullet 2 on the course objectives should be made into two objectives and that bullet 3 be changed from “use analysis skills” to a more measurable wording. Dr. Carter agreed that these changes would be made. Professor Vail-Smith stated that the student would likely not be in clinical, industrial and academic settings for the objective listed under bullet 3, so she suggested changing the objective to “Demonstrate proficiency of the analytical skills required in clinical, industrial, or academic settings.” For bullet 4 objective, Professor Vail-Smith also recommended changing “Demonstrate ability for” to “Conduct.” Dr. Reaves asked Dr. Carter whether the textbook listed was the most current, and Dr. Carter replied that it was the most current text.

- Regarding CHEM 4351, Dr. Wallen stated that the course description for this lab should not be exactly the same as for the course. Therefore, she recommended in the course description using the term “theory” for the course and the term “practical” for the lab so that the course and the lab are distinguished from each other. Dr. Wallen asked about whether the course objectives could be divided in order to separate the ones appropriate for the lab and the ones appropriate for the course. Dr. Carter stated that some overlap does occur and he would have objectives apply to both the course and the lab. He stated that literature and research are involved in the lab and the course. Dr. Wallen stated that under course objectives (Item 19b), that “use analysis skills” be replaced with “Explain the analytical skills” for bullet 3. Additionally, she suggested the the first sentence under the course topic outline exchange “on the following topics” with “using.”

- With regard to CHEM 4522, Dr. Carter explained that this course combined lecture and lab. Professor Vail-Smith asked whether the textbook listed was the most current, and Dr. Carter stated it was. Dr. Reaves asked whether the prerequisite requirement of B- in previous chemistry courses stated in the course description was typical. Dr. Ratcliff
stated that this stipulation was not uncommon, as otherwise students would not know that they would be removed if they don’t meet the requirement.

- With regard to CHEM 4550, Dr. Wallen stated that the second course objective should be revised to replace “demonstrate a functioning knowledge of” with “explain.” Additionally, she stated that “crystalline solid state” should be added to the course topic outline.

- Action Taken: A motion to approve as amended was made by Dr. Ratcliff, and Dr. Scemama seconded the motion. The motion was approved.

2. Revision of Existing Degree: BS in Chemistry

- Discussion: With regard to the marked catalog copy, Dr. Wallen pointed out that more strike-throughs were needed. Ms. Nicholson stated that the department could choose to remove them from the undergraduate catalog now or wait until the Graduate Curriculum Committee decides on whether to leave or remove the old CHEM 5350, 5351, 5550 courses, as once they are removed from the graduate catalog they will be removed from the undergrad catalog. The unit chose to remove them from the undergraduate catalog now, so the agenda will be updated to reflect this additional action. Dr. Scemama reminded Dr. Carter to make sure the course description changes in the proposals match the marked catalog copy.

- Action Taken: A motion to approve as amended was made by Dr. Ratcliff, and Dr. Scemama seconded the motion. The motion was approved.

VI. Thomas Harriot College of Arts and Sciences, Department of English
Lida Cope and Marianne Montgomery

1. Proposal of New Courses: ENGL 4091, ENGL 4951

- Discussion: Dr. Montgomery introduced the creation of new courses at the 4000-level for students to continue study of Shakespeare or children’s literature that they had begun to study in courses at the 3000-level. Dr. Reaves stated that the justification was strong in that the program assessment was used to justify the changes from 4000-level courses to 3000-level courses.

- With regard to ENGL 4091, Dr. Bowman stated that the justification was clear and well written, except she asked that the phrase “(using existing course number ENL 4090)” be removed. Dr. Montgomery stated that both new courses would be in the regular course rotation.

- With regard to ENGL 4951, Dr. Bowman stated that a check is need in the “applicable” rather than the “not applicable” box for Item 14, since CTE has given approval. Dr. Montgomery clarified that the English minor will be removed as an affected degree (Item 17).

- With regard to ENGL 4951, Dr. Bowman stated that a check is need in the “applicable” rather than the “not applicable” box for Item 14, since CTE has given approval. Dr. Bowman asked about the check for “technology-mediated” in Item 19 (Instructional format) since the course is in a lecture format. Dr. Montgomery said that was an error and she would remove the check for “technology-mediated.” Dr. Montgomery clarified that the English minor will be removed as an affected degree (Item 17).

- Action Taken: A motion to approve as amended was made by Dr. Scemama and seconded by Dr. Ratcliff. The motion was approved.
2. Renumbering and Revision of Existing Courses: ENGL 4070 (to 3070), ENGL 4080 (to 3080), ENGL 4090 (to 3090). ENGL 4950 (to 3950)

   o Discussion: Dr. Montgomery clarified that the English minor will be removed as an affected degree (Item 17). Dr. Reaves asked if the BS should be listed as an affected degree, and Dr. Montgomery replied that it was not listed because the courses were only electives for the BS. Ms. Nicholson clarified that Item 17 was used for degrees affected by marked catalog copy. Dr. Reaves stated the course objectives look fine, but for ENGL 3070 the reference in Item 6 should be change to read “Formerly ENGL 4070” instead of “Formerly ENGL 4080.” Dr. Reaves also stated that the words “and understand” be struck from the first bullet in the course objective for ENGL 3950. Dr. Montgomery agreed to make the changes and to make sure that the changes were also made in the marked catalog copy.

   o Action Taken: A motion to approve as amended was made by Dr. Scemama and seconded by Dr. Ratcliff. The motion was approved.

3. Revision of Existing Degree: BA in English

   o Discussion: Dr. Montgomery explained that the revision to the English BA was to update the Shakespeare core requirement of the major to reflect proposed renumberings and new courses. Dr. Bowman said that the memo of request looked fine, and that the explanation was clear except that she asked that the term “course options” be used in place of “options” in the first paragraph. Dr. Reaves clarified, however, that the memo should not use the word “options” in place of “courses,” such as found in the sentence “Students can now choose among 4 Shakespeare options.” She said to use caution in how the word “option” is used to avoid confusion

   o Action Taken: A motion to approve as amended was made by Dr. Scemama and seconded by Dr. Ratcliff. The motion was approved.

4. Prerequisite Revision of Existing Course: ENGL 3895

   o Discussion: Dr. Montgomery confirmed that the revision was an error. This course will remain unchanged.

   o Action Taken: A motion to approve as amended was made by Dr. Scemama and seconded by Dr. Ratcliff. The motion was approved.

VII. Undergraduate Banked Courses Initial Cleanup

Deletion of Courses Banked Five or More Years

If a response was received from the unit, the unit representative who responded is identified with blue font.

1. Units Requested Retention of the Following Banked Courses:
   o ANTH 2020 (ANTH – Daniel)
   o ART 4005, 4006, 4420, 4421 (ART - LaMere)
   o BIOL 4999 (BIOL - Scemama)
- Discussion: Ms. Nicholson stated that of banked courses requested for retention includes only those from units that responded. She reminded the committee that 5000-level courses were being removed from the undergraduate catalog, but they will not be removed from the graduate catalog until removed by the Graduate Curriculum Committee. Dr. Reaves stated that the Graduate Curriculum Committee changed their procedure to REQUIRE a response before a banked course is eliminated.

- Action Taken: A motion to approve the retention of the banked courses on the list was made by Dr. Scemama and seconded Professor Vail-Smith. The motion was approved.

2. Banked Courses Under Consideration for Deletion:
   - ACCT 3581, 4821, 4941, 4951
   - ANTH 3024, 3075, 3076, 3112, 4252 (ANTH – Daniel)
   - ART 2950, 3900, 3910, 4450, 4451, 4452, 4460, 4461 (ART - LaMere)
   - ASEU 3010, 3011
   - BIOL 1070, 1071, 4720 (BIOL - Scemama)
   - CHEM 1163, 3860, 3861, 5390, 5450, 5560, 5950, 5951, 5970
   - CDFR 3100, 4998, 4999 (CDFR - Ballard)
   - COAD 5380
   - COMM 3012, 3240, 3580, 4233
   - CSCI 2510, 2610, 2611, 3510, 3574, 4600, 4604 (CSCI - Pagliari)
   - CSDI 4000, 4020, 5100
   - DNCE 2052, 2062, 2071, 2072, 2081, 2082, 4031, 4032, 4041, 4042, 4051, 4052, 4061, 4062, 4077
   - ECON 1000, 2250, 3363 (ECON - Ericson)
   - EDTC 3271, 3272, 3700
   - ENGL 2750, 2800, 3620, 3710, 3800 (ENGL - Cope)
   - FACS 4400, 5300
   - FREN 1050, 1060, 3260, 4316, 4360 (FREN GERM SPAN - Fraser)
   - GEOG 1100, 1201, 2009, 2201, 3008, 3048, 3201, 3221, 3222, 3223, 4072 (GEOG – Popke)
   - GEOL 1601, 4100, 4101 (GEOL – Culver)
   - GERM 1050, 2100, 2220, 4100, 4387 (FREN GERM SPAN - Fraser)
   - GERG 4060, 4601
   - HIST 3030, 3220, 3486, 3910, 3915, 4450
   - HMG 3393, 4208, 4209, 5351
   - IENG 4094, 4095, 4501
   - IDS 2500, 2600, 4501, 4601, 4650
• Discussion: The committee agreed with the list of banked courses to be deleted and chose not to revise the process to require a response from every unit as adequate notifications were made.

• Action Taken: A motion to approve the deletion of the banked courses on the list was made by Dr. Scemama and seconded Professor Vail-Smith. The motion was approved.

3. 5000-level Banked Courses Under Consideration for Removal from the Undergraduate Catalog:
   o BIOL 5000, 5001, 5020, 5021, 5040, 5041, 5050, 5080, 5081, 5110, 5111, 5678, 5850, 5851, 5860, 5861, 5880, 5881, 5910, 5911, 5920, 5921 (BIOL - Scemama)
   o CSCI 5726 (CSCI - Pagliari)
   o CDFR 5336, 5392, 5400, 5410 (CDFR - Ballard)
   o DESN 5500 (DESN - Chin)
   o DRED 5310 (DRED EHST HLTH – Chaney)
   o EHST 5710, 5711, 5720, 5721 (DRED EHST HLTH – Chaney)
   o ENGL 5120, 5130, 5140, 5190, 5270, 5390, 5410, 5460, 5740 (ENGL - Cope)
   o EXSS 5400 (EXSS - Altman)
   o GEOG 5020 (GEOG – Popke)
   o GEOL 5750, 5751 (GEOL – Culver)
   o HLTH 5313 (DRED EHST HLTH – Chaney)
   o PHYS 5060, 5350, 5630, 5800 (PHYS – Kenney)
   o PLAN 5035 (PLAN - Weitz)
   o SOCI 5311 (SOCI - Kane)

   • Discussion: The committee agreed with the list of 5000-level banked courses to be removed from the undergraduate catalog.
• Action Taken: A motion to approve the removal of 5000-level banked courses on the list from the undergraduate catalog was made by Dr. Scemama and seconded Professor Vail-Smith. The motion was approved.

VIII. Undergraduate Courses Not Offered in 10 Years Cleanup
Deletion of Courses Appearing in Active Course Lists That Have Not Been Offered in Ten or More Years

If a response was received from the unit, the unit representative who responded is identified with blue font.

1. Units Requested Retention of the Following Active Courses:
   o ANTH 4225 (ANTH – Daniel)
   o ART 3442 (ART – Twarog and LaMere)
   o CSCI 1200 (CSCI - Pagliari)
   o DESN 4234, 4235, 4504 (DESN – Chin)
   o ECON 4740 (ECON - Ericson)
   o EHST 3926 (DRED EHST HLTH – Chaney)
   o GEOG 4191, 4192, 4392 (GEOG – Popke)
   o GEOL 3402 (GEOL – Culver)
   o GERM 3600 (FREN GERM SPAN - Fraser)
   o GRBK 3001 (GRBK - Feder)
   o JUST 3006 (JUST - Bloss)
   o MUSC 1010, 1020, 1080, 1090, 1140, 1160, 1200, 3032, 3173, 3465 (MUSC – Gustafson and Ward)
   o PLAN 4040 (PLAN - Weitz)
   o PSYC 4340 (PSYC - Tran)
   o READ 3211, 4532, 4533 (READ - Misulis)
   o RELI 3691 (RELI – Mercer)
   o SOCI 3280, 4200, 4201, 4350 (SOCI - Kane)

   • Discussion: The committee agreed with the retention of the active courses not taught in 10 years as listed above.

   • Action Taken: A motion to approve the retention of active courses not taught in ten years from the list provided was made by Dr. Scemama and seconded Professor Vail-Smith. The motion was approved.

2. Active Courses Under Consideration for Deletion:
   o ART 2030, 2071, 2900, 3953, 4900, 4910 (ART – Twarog and LaMere)
   o ANTH 4253 (ANTH – Daniel)
   o BIOL 3400, 3401 (BIOL - Scemama)
   o CLAS 2001, 2002 (CLAS – Fraser and Given)
   o COMM 2103, 3311, 4199
   o DNCE 2061, 4076, 4231, 4241
   o ECON 3960, 4430 (ECON - Ericson)
   o EDTC 3242, 3243, 3244, 3903, 4900, 4981, 4982, 4991, 4992
   o EXSS 2788 (EXSS - Altman)
   o FINA 4564
   o FREN 4990 (FREN GERM SPAN - Fraser)
• Discussion: The committee agreed with the deletion of the active courses not taught in 10 years as listed above.

• Action Taken: A motion to approve the deletion of active courses not taught in ten years as listed above was made by Dr. Scemama and seconded Professor Vail-Smith. The motion was approved.

IX. Old Business

1. Additional Discussion Regarding the Foreign Language Requirement in BA Degrees from the 11-13-14 UCC Meeting

   o Discussion: Dr. Flint commented that there may be some discussion regarding the clarification of the Foreign Language requirement in BA degrees when the minutes are presented to the Faculty Senate.

   o Action Taken: N/A

2. Responsibilities and Workflows

   o Discussion: Dr. Flint asked the committee to table this topic.

   o Action Taken: The committee agreed that the topic would be addressed at a future meeting.

3. Update Regarding Revision of UCC Charge
Discussion: Dr. Flint announced that the UCC approved revision of the UCC Charge was recently presented at the December 2014 Faculty Senate meeting for its first reading (the approval by the FS requires two readings). If approved after its second reading at the January 2015 Faculty Senate meeting and then by the Chancellor, it will then be instated.

Action Taken: N/A

4. Update Regarding 5000-level Courses Required in Undergraduate Programs

Discussion: Dr. Flint announced the number of programs that still had 5000-level courses required in the undergraduate programs. Dr. Ratcliff identified an error in the spreadsheet where the program was identified as Mathematics instead of Mathematics, Secondary Education. Ms. Nicholson was asked to notify Dr. Reaves of this so that the communication to the provost would include correct information.

Action Taken: N/A

X. New Business

1. Question:

The GCC recently encountered an issue where a course deleted a few years ago as a cleanup action was needed by the unit. The faculty responsible for the impacted program was not aware of the cleanup action due to a change of leadership that was in progress at the time of the notification. As a result, the graduate banked courses cleanup process was revised to require a response from every impacted unit. Is this something the UCC feels is necessary for the undergraduate processes recently put into place?

Discussion: Professor Vail-Smith stated that if a course was deleted because it was not taught for over 10 years, the unit should bring the course to the UCC as a new course. Dr. Reaves asked if the UCC wanted the cleanup policy revised to require a response from every impacted unit before a banked course is eliminated.

Action Taken: The committee determined that sufficient notification is taken and a response from every unit is not necessary. Only those units that wish to retain an identified course need respond with a retention request.

2. Will the UCC accept old course proposal forms for spring meetings? If so, under what circumstances?

Discussion: Ms. Nicholson stated some of the Colleges have packages approved and they are scrambling to transfer to a new form for the new year beginning in January 2015. It was also noted that MAC users do not have access to Microsoft Office 2013 yet, so they are running into technical issues with the new form. The committee agreed to offer more time to adapt to the new form by accepting both old and new forms for any package approved by their college by the end of the academic year as long as the method of delivery, associated CIP code, and primary instructional format are provided by the units for each course. Revision of the form for next year was briefly discussed.
The UCC would like to see a way to simplify the checkboxes. For example, if a unit has not requested WI, SL, GD, DD, or FC, they could “skip to #...”

- **Action Taken:** A motion was made by Dr. Flint to approve the use of both old and new course proposal forms for any package approved by a unit by the end of the 2014-15 academic year, as long as the method of delivery, associated CIP code, and primary instructional format are provided by the units for each course. Ms. Nicholson was asked to send out an official notice to the faculty regarding the UCC forms. The motion was seconded by Professor Vail-Smith. The motion was approved.

3. **UCC Leadership**

- **Discussion:** Dr. Flint mentioned that Dr. Richardson’s term as secretary will end at the end of the spring 2015 semester and that a replacement will need to be found. She asked the current committee members to consider nominations (including self-nominations) for the secretary position. The nominees should be committee members whose terms are not expiring within the next year and that would be willing to train for the position during the spring 2015 semester.

- **Action Taken:** Nominations for the secretary position will be taken and discussed at an upcoming UCC meeting.
Curricular Actions Reviewed at this Meeting:
Banked courses 0
Discontinued certificates 0
Deleted concentrations 0
Deleted courses (active and/or banked) 320
Discontinued degrees 0
Discontinued minors 0
New certificates 0
New concentrations 0
New courses 9
New bachelor’s degrees (Phase II - development) 0
New bachelor’s degrees (Phase III – curriculum approval); consolidations 0
New minors 0
Prefix Revision of an Entire Course List 1
Renumbered courses (same or different level) 4
Revised courses (e.g., title, description, content, prereq., prefix) 11
Revised degrees (e.g., admission text, core req., concentration req., dept. text) 5
Revised certificates 0
Revised minors 0
Unbanked courses 0

Curricular Actions Reviewed to Date (to include this meeting):
Banked courses 0
Discontinued certificates 1
Deleted concentrations 4
Deleted courses (active and/or banked) 322
Discontinued degrees 7
Discontinued minors 0
New certificates 1
New concentrations 0
New courses 18
New bachelor’s degrees (Phase II - development) 0
New bachelor’s degrees (Phase III – curriculum approval); consolidations 1
New minors 0
Prefix Revision of an Entire Course List 1
Renumbered courses (same or different level) 4
Revised courses (e.g., title, description, content, prereq., prefix) 26
Revised degrees (e.g., admission text, core req., concentration req., dept. text) 12
Revised certificates 0
Revised minors 2
Unbanked courses 0

NEXT MEETING:  January 22, 2015

Dr. Flint made a motion to adjourn at 4:50 pm. The motion passed, and the meeting was adjourned.

Respectfully Submitted by

Mark D. Richardson
Secretary of the UCC
II. College of Engineering and Technology, Department of Technology Systems

http://catalog.ecu.edu/preview_program.php?catoid=4&poid=861

Industrial Technology, BS
David L. Batts, Coordinator, 230 Slay Building
The industrial technology program is accredited by the Association of Technology, Management, and Applied Engineering.
Student must have an associate of applied science degree from an approved technical program. Minimum degree requirement is 126 s.h. of credit as follows. Students must complete at ECU a minimum of 42 s.h. credit of upper division core and concentration courses. Industrial technology courses completed at ECU and transfer courses must total at least 66 s.h. All students pursuing a bachelor of science in industrial technology through distance education (online) are required to complete ITEC 3000 in their initial semester of enrollment at East Carolina University. For distance education (online) students only, ITEC 3000 will fulfill 3 s.h. of the required 27 s.h. in their chosen concentration area. ITEC 3100, ITEC 4100 or any course that does not meet as a class may not be used as upper division core or concentration courses.
1. Foundations curriculum requirements including those listed below. 42 s.h.
   (For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum)
   • COMM 2410 - Public Speaking or
   • COMM 2420 - Business and Professional Communication
   • ECON 2113 - Principles of Microeconomics
   • MATH 1065 - College Algebra or
   • MATH 1066 - Applied Mathematics for Decision Making
   • PSYC 1000 - Introductory Psychology
   • PSYC 3241 - Personnel and Industrial Psychology
2. Lower Division Core - 24 s.h.
   Transfer technical courses up to 24 s.h. or approved technical courses.
3. Upper Division Core - 15 s.h.
   • ITEC 3200 - Introduction to Statistical Process Control
   • ITEC 3290 - Technical Writing
   • ITEC 3300 - Technology Project Management
   • ITEC 3800 - Cost and Capital Project Analysis
   • ITEC 4293 - Industrial Supervision
4. Concentrations - 27 s.h.
   (choose one)
   Architectural Technology
   • DESN 3030 - Architectural Drafting
   • DESN 3031 - Architectural Drafting Laboratory
   • DESN 3032 - Engineering Graphics II
   • DESN 3033 - Engineering Graphics II Laboratory
   • DESN 3036 - Architectural Design and Drafting
   • DESN 3037 - Architectural Design and Drafting Laboratory
   • DESN 3038 - Sustainable Design
• DESN 3039 - Sustainable Design Laboratory
• PLAN 2410 - Fundamentals of GIS
• PLAN 3021 - Introduction to Planning Techniques
• PLAN 4003 - Urban Form and Design
• Approved technical electives (6 s.h.)

Bioprocess Manufacturing

• ITEC 3292 - Industrial Safety
• ITEC 4150 - Microbiology for Industrial Processing
• ITEC 4250 - Engineering for Food Safety and Sanitation
• ITEC 4300 - Quality Assurance Concepts
• ITEC 4350 - Separation Techniques for Industrial Processing
• ITEC 4450 - Waste Treatment Techniques for Industrial Processing
• ITEC 4550 - Quality in Regulatory Environment
• Approved technical electives (6 s.h.)

Distribution and Logistics

• IDIS 2771 - Introduction to Distribution and Logistics
• IDIS 2830 - ERP Systems for Distributors
• IDIS 3700 - Transportation Logistics
• IDIS 3815 - Supply Chain Logistics
• IDIS 3820 - Purchasing Logistics
• IDIS 3835 - Security and Risk Analysis for Distributors
• IDIS 4785 - Strategic Pricing for Distributors
• IDIS 4790 - Global Logistics
• Approved technical electives (3 s.h.)

Health Information Technologies

• HIMA 3000 - Medical Terminology for Health Professionals
• HIMA 3120 - Health Care Delivery Systems
• HIMA 4030 - Quality Management in Health Care
• HSMA 2000 - Professional Roles and Environments in Health Care
• HSMA 3020 - Health Care Payment Systems
• HSMA 3025 - Professional Ethical Codes and Law in Health Care
• HSMA 3035 - Interpersonal Team Skills for Health Care Supervisors and Practitioners
• HSMA 4010 - Health Information Management
• Approved technical electives (3 s.h.)

Industrial Supervision

• IDIS 2771 - Introduction to Distribution and Logistics
• IDIS 3790 - Technical Presentations
• IDIS 3815 - Supply Chain Logistics
• IENG 3300 - Plant Layout and Materials Handling
• IENG 4023 - Advanced Manufacturing Systems
• ITEC 3292 - Industrial Safety
• ITEC 4300 - Quality Assurance Concepts
• Approved technical electives (6 s.h.)

Information and Computer Technology

Choose 27 hours from below:
• ICTN 2530 - Network Environment II
• ICTN 2531 - Network Environment II Laboratory
• ICTN 2900 - Fundamental Network Security
• ICTN 2901 - Fundamental Network Security Laboratory
• ICTN 3250 - Internetwork Routing Technology
• ICTN 3251 - Internetwork Routing Technology Laboratory
• ICTN 3540 - Network Environment III
• ICTN 3541 - Network Environment III Laboratory
• ICTN 3900 - Web Services Management
• ICTN 3901 - Web Services Management Laboratory
• ICTN 4010 - User Application Management and Emerging Technologies
• ICTN 4011 - User Application Management and Emerging Technologies Laboratory
• ICTN 4040 - Enterprise Information Security
• ICTN 4064 - Regulations and Policies
• ICTN 4150 - Switching Network Technology
• ICTN 4151 - Switching Network Technology Laboratory
• ICTN 4200 - Intrusion Detection Technologies
• ICTN 4201 - Intrusion Detection Technologies Laboratory
• ICTN 4250 - Enterprise Network Security Technology
• ICTN 4251 - Enterprise Network Security Technology Laboratory
• ICTN 4310 - Digital Forensics
• ICTN 4402 - Special Topics
• ICTN 4404 - Special Topics
• ICTN 4406 - Special Topics
• ICTN 4408 - Special Topics
• ICTN 4501 - Laboratory Problems
• ICTN 4503 - Laboratory Problems
• ICTN 4505 - Laboratory Problems
• ICTN 4590 - Network Maintenance and Troubleshooting
• ICTN 4591 - Network Maintenance and Troubleshooting Laboratory
• ICTN 4600 - Enterprise Information Technology Management
• ICTN 4601 - Enterprise Information Technology Management Laboratory
• ICTN 4700 - Virtualization Technologies
• ICTN 4701 - Virtualization Technologies Laboratory
• ICTN 4750 - Enterprise Data Storage Technologies
• ICTN 4800 - Information Assurance Technologies
• ICTN 4801 - Information Assurance Technologies Laboratory

Manufacturing Systems

• IENG 3300 - Plant Layout and Materials Handling
• IENG 4020 - Manufacturing System Planning
• IENG 4023 - Advanced Manufacturing Systems
• IENG 4200 - Work Methods and Ergonomics Analysis
• ITEC 3292 - Industrial Safety
• ITEC 4300 - Quality Assurance Concepts
• Approved technical electives (9 s.h.)

Mechanical Technology

• DESN 3032 - Engineering Graphics II
• DESN 3033 - Engineering Graphics II Laboratory
• DESN 3230 - Rapid Prototyping
• DESN 3231 - Rapid Prototyping Laboratory
• DESN 3234 - Jig and Fixture Design
• DESN 3235 - Jig and Fixture Design Laboratory
• DESN 3236 - Geometric Dimensioning and Tolerancing
• DESN 3237 - Geometric Dimensioning and Tolerancing Laboratory
• IENG 2076 - Introduction to Computer Numerical Control (CNC)
• IENG 2077 - Introduction to Computer Numerical Control (CNC) Laboratory
• IENG 3020 - Robotics in Computer Integrated Manufacturing
• IENG 3021 - Robotics in Computer Integrated Manufacturing Laboratory
• IENG 3300 - Plant Layout and Materials Handling
• Approved technical electives (6 s.h.)

5. Cognates - 5 s.h.

• FINA 2244 - Legal Environment of Business
• MATH 1074 - Applied Trigonometry

6. Approved Free electives to complete requirements for graduation. - 13 s.h.


ITEC 4501 - Special Topics: Industrial Technology

1 F, S, SS
ITEC 4501, 4502, and 4503 may be repeated with consent of chair for a maximum of three semester hours. P: Consent of instructor. Special topic of emerging concepts, processes, tools, and/or materials in the field of industrial technology.

ITEC 4502 - Special Topics: Industrial Technology

2 F, S, SS
ITEC 4501, 4502, and 4503 may be repeated with consent of chair for a maximum of three semester hours. P: Consent of instructor. Special topic of emerging concepts, processes, tools, and/or materials in the field of industrial technology.

ITEC 4503 - Special Topics: Industrial Technology

3 F, S, SS
ITEC 4501, 4502, and 4503 may be repeated with consent of chair for a maximum of three semester hours. P: Consent of instructor. Special topic of emerging concepts, processes, tools, and/or materials in the field of industrial technology.

III. College of Health and Human Performance, Department of Health Education and Promotion

http://catalog.ecu.edu/preview_program.php?catoid=7&poid=1588&returnto=443

ATEP 2811 - Principles of Athletic Training Lab

1 S

2 lab hours per week. P: BIOL 2140, BIOL 2141, RC: BIOL 2130, BIOL 2140 or BIOL 2150; EXSS 2850; C: Current participation in candidacy period of athletic training program or consent of instructor; ATEP 2810. Fundamental principles. Recognition, evaluation, treatment, rehabilitation, and prevention of athletic injuries. Practical clinical evaluation and prevention taping.

ATEP 3270 - Pathology and General Medicine in Sport

3 S

P: BIOL 2130, or BIOL 2140, or BIOL 2150, BIOL 2151.; C: ATEP 3272. General pathology associated with medical conditions in sport. Systemic approach to common medical disorders, including clinical proficiencies.

ATEP 3271 - Clinical Experience in Medicine

1 F,S,SS

P: ATEP 3200, ATEP 3270, ATEP 3272; C: Athletic training major. Clinical assignments in clinical medical settings.

ATEP 3272 - Clinical Skills in Health Assessment

1 F,S

C: Athletic training major, P/C: ATEP 3270. Laboratory practice in skills necessary to determine health status.

ATEP 3280 - Therapeutic Rehabilitation II

3 S

P: ATEP 3250, ATEP 3251; EXSS 3850; Athletic training major; C: Athletic training major; ATEP 3281. In-depth study of theory, evidence, and application of therapeutic treatment of musculoskeletal injuries.

ATEP 3810 - Orthopedic Evaluation of the Trunk and Upper Extremity

3 F
3 lecture hours per week. P: ATEP 2810, ATEP 2811; C: ATEP 3811. P/C: BIOL 2130, BIOL 2140 or BIOL 2150; EXSS 2850. In-depth study of pathomechanics or sports-related injury to trunk and upper extremity.

ATEP 3811 - Orthopedic Evaluation of Upper Extremity Lab

1 F

2 lab hours per week. P: ATEP 2810, ATEP 2811; C: ATEP 3810. P/C: BIOL 2130 or BIOL 2140; EXSS 2850. Practical application of assessment and disposition of injuries to the upper extremity.

IV. College of Health and Human Performance, Department of Kinesiology

http://catalog.ecu.edu/content.php?filter%5B27%5D=EXSS&filter%5B29%5D=&filter%5Bcourse_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur_cat_oid=7&expand=&navoid=450&search_database=Filter&filter%5Bexact_match%5D=1

EXSS 1070 – Yoga

1
P: EXSS 1000 or EXSS 1001. Philosophical, historical and physical practice of yoga.

EXSS 4020 - Exercise Adherence

3
P: PSYC 1000; HHP major or minor or consent of instructor. Personal and situational factors which result in adherence to an exercise program and application of strategies for improving adherence.

EXSS 4030 – Physical Activity and Aging

3
P: HHP major or minor or consent of instructor. Role of physical activity and exercise in enhancing quality of life and remediating normal aging deficits and age-related disease.

Department of Kinesiology

http://catalog.ecu.edu/preview_program.php?catoid=7&poid=1595

Exercise Physiology, BS
The program provides competencies and knowledge in the field of exercise physiology. Graduates of the program are prepared to pursue further academic training in exercise physiology, physical therapy, medicine, and other allied health careers. A minimum cumulative 2.75 GPA and 32 s.h. foundations curriculum are required for admission. A minimum grade of C (2.0) is required in BIOL 1150, BIOL 1151, CHEM 1150, CHEM 1151, ENGL 1100, ENGL 1200, MATH 1065. Majors must maintain a minimum cumulative GPA of 2.5 and a minimum grade of C (2.0) is required in BIOL 2140, BIOL 2141, BIOL 2150, BIOL 2151, CHEM 1160, CHEM 1161, and all required EXSS courses. Minimum degree requirement is 126 s.h. of credit as follows:

http://catalog.ecu.edu/preview_program.php?catoid=7&poid=1597

Health Fitness Specialist, BS

The health fitness specialist program is endorsed by the American College of Sports Medicine (ACSM) as providing all competencies necessary for the ACSM Health Fitness Instructor® certificate exam. This program provides competencies and knowledge for students to develop and conduct health and fitness programs in commercial, corporate, clinical and community settings, and is endorsed by the National Strength and Conditioning Association. A minimum cumulative 2.0 GPA is required for admission as well as successful completion of the EXSS majors’ fitness test. Students must have nine semester hours of writing intensive credit from Foundations Curriculum. A minimum grade of C (1.7) (2.0) in all required EXSS courses is required to complete the degree. Minimum degree requirement is 125 s.h. of credit as follows:

1. Foundations curriculum requirements including those listed below - 42 s.h.
(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum)

- BIOL 1050 - General Biology
- BIOL 1051 - General Biology Laboratory
  or
- BIOL 1100 - Principles of Biology I
- BIOL 1101 - Principles of Biology Laboratory I
  or
- BIOL 1150 - Principles of Biology: A Human Approach
- BIOL 1151 - Principles of Biology: A Human Approach Discussion

- CHEM 1020 - General Descriptive Chemistry
  or
- CHEM 1150 - General Chemistry I and
- CHEM 1151 - General Chemistry Laboratory

- COMM 2020 - Fundamentals of Speech Communication or
- COMM 2410 - Public Speaking or
- COMM 2420 - Business and Professional Communication

- MATH 1065 - College Algebra
- PSYC 1000 - Introductory Psychology
- PSYC 3206 - Developmental Psychology

2. Core - 41 s.h.

- EXSS 1101 - Physical Conditioning
• EXSS 1114 - Group Fitness Activities
• EXSS 2000 - Introductory Exercise and Sport Science
• EXSS 2202 - Motor Learning and Performance
• EXSS 2850 - Structural Kinesiology
• EXSS 3800 - Measurement of Physical Activity and Fitness
• EXSS 3801 - Measurement of Physical Activity and Fitness Laboratory
• EXSS 3805 - Physiology of Exercise
• EXSS 3806 - Physiology of Exercise Laboratory
• EXSS 3850 - Introduction to Biomechanics
• EXSS 3880 - Personal Fitness Training
• EXSS 3881 - Personal Fitness Training Laboratory
• EXSS 4020 - Exercise Adherence
• EXSS 4030 - Physical Activity and Aging
• EXSS 4801 - Pre-internship Seminar for Health Fitness Specialist
• EXSS 4805 - Exercise Evaluation and Prescription Laboratory
• EXSS 4806 - Exercise Evaluation and Prescription
• EXSS 4850 - Exercise Leadership
• EXSS 5020 - Exercise Adherence
• EXSS 5800 - Physical Activity and Aging

Choose 3 s.h. of EXSS electives.
Choose 3 s.h. of approved EXSS electives at or above the 3000 level.

Choose 3 s.h. from the following:

• ATEP 2800 - Medical Nomenclature for Human Performance
• ATEP 3350 - Concepts in Pharmacology
• HLTH 2125 - Safety Education and First Aid
• HLTH 2126 - Safety Education and First Aid
• HLTH 3002 - Women’s Health Across the Lifespan
• HLTH 3010 - Health Problems I
• HLTH 3020 - Health Disparities
• HLTH 3050 - Public Health Systems and Policy
• HLTH 5900 - Stress Management

3. Cognates - 20 s.h.

• BITE 2112 - Introduction to Information Processing Technology or
• MIS 2223 - Introduction to Computers or
• EXSS 2050 - Computer Applications in Exercise and Sport Science

• BIOL 2130 - Survey of Human Physiology and Anatomy or
• BIOL 2150 - Human Physiology and Anatomy and
• BIOL 2151 - Human Physiology and Anatomy Laboratory

• HLTH 2220 - Basic Athletic Training
• HLTH 2221 - Basic Athletic Training
Department of Chemistry

Allison Stokes Danell, Interim Chair, SZ 301 Science and Technology Building

Faculty

- Department of Chemistry Faculty

Admission Requirements

Students enrolled at East Carolina University or transferring from other institutions who have a minimum 2.0 GPA and a minimum grade of C (2.0) in CHEM 1150, CHEM 1151, CHEM 1160, CHEM 1161 and MATH 1065 may apply for admission as chemistry majors. Students who hold a baccalaureate degree qualify for admission to the chemistry degree program if they have completed comparable courses as described above with a minimum grade of C (2.0) as part of their first degree.

Chemistry Honors Program

The Department of Chemistry Honors Program provides an opportunity for outstanding chemistry majors to do intensive study and research in areas of special interest. A student desiring to enter the honors program must be a junior or senior majoring in chemistry, and possess a minimum GPA of 3.2 in all courses taken at East Carolina University as well as in all chemistry and cognate courses. Before participating in the honors program, students must notify the director of undergraduate studies chemistry and select a project supervisor from the chemistry faculty. Program participants are expected to select a topic mutual interest to both the student and project supervisor, research the topic through the scientific literature, and then conduct independent research on the topic. Upon completion of the research, the student must submit a detailed written research report and make an oral presentation on the honors project. Course requirements: CHEM 4103; a minimum of 5 h. research and/or independent study from: CHEM 4505, CHEM 4506, CHEM 4507, CHEM 4515, CHEM 4516, CHEM 4517.

Programs

Bachelor’s

- Chemistry, BA
- Chemistry, BS

Minor

- Chemistry Minor
Accelerated

- Chemistry, BS/MS

Courses

Chemistry

- CHEM 0150 - Preparation for College Chemistry
- CHEM 1020 - General Descriptive Chemistry
- CHEM 1021 - General Descriptive Chemistry Laboratory
- CHEM 1120 - Introduction to Chemistry for the Allied Health Sciences
- CHEM 1121 - Basic General, Organic, and Biochemistry Laboratory I
- CHEM 1130 - Organic and Biochemistry for the Allied Health Sciences
- CHEM 1131 - Basic General, Organic, and Biochemistry Laboratory II
- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II
- CHEM 2103 - Introduction to Chemical Literature
- CHEM 2250 - Quantitative and Instrumental Analysis
- CHEM 2251 - Quantitative and Instrumental Analysis Laboratory
- CHEM 2301 - Teaching Laboratory Chemistry
- CHEM 2650 - Organic Chemistry for the Life Sciences
- CHEM 2651 - Organic Chemistry Lab for the Life Sciences
- CHEM 2750 - Organic Chemistry I
- CHEM 2753 - Organic Chemistry Laboratory I
- CHEM 2760 - Organic Chemistry II
- CHEM 2763 - Organic Chemistry Laboratory II
- CHEM 2770 - Biological Chemistry
- CHEM 2771 - Biological Chemistry Laboratory
- CHEM 3301 - Practicum in Teaching
- CHEM 3450 - Elementary Inorganic Chemistry
- CHEM 3451 - Elementary Inorganic Chemistry Laboratory
- CHEM 3501 - Special Topics in Chemistry
- CHEM 3502 - Special Topics in Chemistry
- CHEM 3503 - Special Topics in Chemistry
- CHEM 3850 - Introduction to Physical Chemistry
- CHEM 3851 - Introduction to Physical Chemistry
- CHEM 3950 - Physical Chemistry and Laboratory I
- CHEM 3951 - Physical Chemistry and Laboratory I
- CHEM 3960 - Physical Chemistry and Laboratory II
- CHEM 3961 - Physical Chemistry and Laboratory II
- CHEM 4103 - Seminar
- CHEM 4350 - Instrumental Analysis
- CHEM 4351 - Instrumental Analysis Laboratory
- CHEM 4505 - Independent Study
- CHEM 4506 - Independent Study
- CHEM 4507 - Independent Study
- CHEM 4515 - Research Problems in Chemistry
- CHEM 4516 - Research Problems in Chemistry
- CHEM 4517 - Research Problems in Chemistry
- CHEM 4522 - Pharmaceutical Industry Skills Laboratory: Good Manufacturing Practices
- CHEM 4550 - Advanced Inorganic Chemistry
  - CHEM 5350 - Instrumental Analysis
  - CHEM 5351 - Instrumental Analysis
- CHEM 5525 - Special Topics
- CHEM 5526 - Special Topics
- CHEM 5527 - Special Topics
  - CHEM 5550 - Advanced Inorganic Chemistry
- CHEM 5750 - Advanced Organic Chemistry
- CHEM 5760 - Organic Structure Elucidation
- CHEM 5993 - Industrial Internship in Chemistry

Chemistry Banked Courses

- CHEM 1163 - Introduction to Computer Techniques in Experimental Chemistry
- CHEM 1500 - Materials Chemistry I
- CHEM 1510 - Materials Chemistry II and Laboratory
- CHEM 1511 - Materials Chemistry II and Laboratory
- CHEM 2110 - Scientific Glassblowing
- CHEM 2111 - Applications of Molecular Modeling
- CHEM 3860 - Introduction to Instrument - Computer Interfacing
- CHEM 3861 - Introduction to Instrument - Computer Interfacing
- CHEM 5390 - Bioanalytical Chemistry
- CHEM 5450 - Industrial Chemistry
- CHEM 5560 - Inorganic Reaction Mechanisms
- CHEM 5950 - Introduction to Nuclear Chemistry
- CHEM 5951 - Introduction to Nuclear Chemistry
- CHEM 5970 - Chemical Thermodynamics

CHEM 4350 - Instrumental Analysis
3 S
3 lecture hours per week. P: Grade of C (2.0) or higher in CHEM 2250 and CHEM 2251; C: CHEM 4351. Theory of modern instrumental methods of chemical analysis.

CHEM 4351 - Instrumental Analysis Laboratory
1 S
3 lab hours per week. P: Grade of C (2.0) or higher in CHEM 2250 and CHEM 2251; C: CHEM 4350. Practical uses of modern instrumental methods of chemical analysis.

CHEM 4522 - Pharmaceutical Industry Skills Laboratory: Good Manufacturing Practices
2 S
P: Grade of B- (2.7) or higher in CHEM 2250 and 2251 or permission of instructor. Regulations, laws, and skills involved in good laboratory and manufacturing practices (GLP) and good manufacturing practices (cGMP) in the pharmaceutical industry.

CHEM 4550 - Advanced Inorganic Chemistry
4 F
P: CHEM 3950; C: CHEM 3451. Advanced treatment of atomic and molecular structure, molecular symmetry, group theory, MO theory, the solid state and ionic bonding, transition metal coordination and organometallic compounds, homogeneous catalysis, and acid-base, redox, and bioinorganic chemistry.

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CHEMISTRY, BS

The BS degree in chemistry is the appropriate program for students considering advanced degree programs in chemistry, biochemistry, and other related fields or a professional career in chemistry. Graduates of this program meet certification requirements of the American Chemical Society. Students are strongly encouraged to pursue undergraduate research with a faculty member. Up to 6 s.h. of undergraduate research may be applied toward degree requirements. Information regarding undergraduate research may be obtained from the director of undergraduate studies. Students completing the BS degree are encouraged to consider some of the following courses as electives: COMM 2410 or COMM 2420; ITEC 3290 or ENGL 3820; MATH 2228, MATH 3256, MATH 4331; CHEM 4515, CHEM 4516, CHEM 4517; advanced 5000-level courses in chemistry; and BIOL 4880 or BIOL 4890. If a student successfully completes a higher-level cognate course after bypassing the lower-level prerequisite course(s), he/she may use free electives to substitute for the prerequisite hours. All students are required to take a departmentally administered assessment examination before graduation. Scores from this examination will not be included in the calculation of GPA for academic standing. The performance on this exam will be noted on the student’s transcript. Minimum degree requirement is 120 s.h. of credit as follows:

1. Foundations curriculum - 42 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

- MATH 1065 - College Algebra
- PHYS 1251 - General Physics Laboratory
- PHYS 1261 - General Physics Laboratory
- PHYS 2350 - University Physics
- PHYS 2360 - University Physics

2. Core - 45 s.h.

- CHEM 1150 - General Chemistry I
- CHEM 1151 - General Chemistry Laboratory I
- CHEM 1160 - General Chemistry II
- CHEM 1161 - General Chemistry Laboratory II
- CHEM 2103 - Introduction to Chemical Literature
- CHEM 2250 - Quantitative and Instrumental Analysis
- CHEM 2251 - Quantitative and Instrumental Analysis
- CHEM 2750 - Organic Chemistry I
- CHEM 2753 - Organic Chemistry Laboratory I
- CHEM 2760 - Organic Chemistry II
- CHEM 2763 - Organic Chemistry Laboratory II
- CHEM 2770 - Biological Chemistry
• CHEM 3451 - Elementary Inorganic Chemistry Laboratory
• CHEM 3950 - Physical Chemistry and Laboratory I
• CHEM 3951 - Physical Chemistry and Laboratory I
• CHEM 3960 - Physical Chemistry and Laboratory II
• CHEM 3961 - Physical Chemistry and Laboratory II
• CHEM 4103 - Seminar
• CHEM 4350 - Instrumental Analysis
• CHEM 4351 - Instrumental Analysis Laboratory
• CHEM 4550 - Advanced Inorganic Chemistry
  • CHEM 5250 - Instrumental Analysis
  • CHEM 5351 - Instrumental Analysis
  • CHEM 5550 - Advanced Inorganic Chemistry

3. Elective labs - 2 s.h.

(Choose a minimum of 2 s.h. from the following).

• BIOL 4891 - Principles of Biochemistry Laboratory
• CHEM 2301 - Teaching Laboratory Chemistry May count only 1 s.h. toward the 2 s.h. lab requirement
• CHEM 2771 - Biological Chemistry Laboratory
• CHEM 3301 - Practicum in Teaching
• CHEM 4515 - Research Problems in Chemistry
• CHEM 4516 - Research Problems in Chemistry
• CHEM 4517 - Research Problems in Chemistry
• CHEM 4522 - Pharmaceutical Industry Skills Laboratory: Good Manufacturing Practices
• CHEM 5993 - Industrial Internship in Chemistry
• PHYS 3700 - Advanced Laboratory
• PHYS 3701 - Advanced Laboratory

4. Cognates - 15-17 s.h.

• MATH 1083 - Introduction to Functions or
• MATH 1085 - Pre-Calculus Mathematics

• MATH 2171 - Calculus I
• MATH 2172 - Calculus II
• MATH 2173 - Calculus III

5. Electives to complete requirements for graduation.

VI. Thomas Harriot College of Arts and Sciences, Department of English

http://catalog.ecu.edu/preview_program.php?catoid=4&poid=669

ENGLISH, BA
Minimum degree requirement is 126 s.h. of credit as follows:

1. Foundations curriculum - 42 s.h.

(For information about courses that carry foundations curriculum credit see Liberal Arts Foundations Curriculum.)

2. Foreign language through level 1004 - 12 s.h.

3. Core - 12 s.h.

Shakespeare
Choose 3 s.h. from:

ENGL 4070 3070 - Shakespeare: The Histories
ENGL 4080 3080 - Shakespeare: The Comedies
ENGL 4090 3090 - Shakespeare: The Tragedies
ENGL 4091 - Shakespeare: Topics

Historical Survey I: Literature to 1700
Choose 3 s.h. from:

ENGL 3000 - History of British Literature to 1700
ENGL 3600 - Classics from Homer to Dante

Historical Survey II: Literature after 1700
Choose 3 s.h. from:

ENGL 3010 - History of British Literature, 1700-1900
ENGL 3020 - History of American Literature to 1900
ENGL 4340 - Ethnic American Literature

Language Study–Creative Writing, Linguistics, Rhetoric and Composition, or Technical and Professional Communication
Choose 3 s.h. from:

ENGL 2700 - Introduction to Language Studies
ENGL 2710 - English Grammar
ENGL 2740 - Language in the USA
ENGL 2760 - Afro-Caribbean Language and Culture
ENGL 2815 - Introduction to Creative Writing
ENGL 2830 - Writing and Style
ENGL 3030 - Introduction to Rhetorical Studies
ENGL 3040 - Introduction to Professional Writing
ENGL 3700 - History of the English Language
ENGL 3720 - Writing Systems of the World
ENGL 3730 - The Structure of English: Phonology and Morphology
ENGL 3740 - The Structure of English: Syntax and Semantics
ENGL 3750 - Introductory Linguistics
ENGL 3770 - Language Universals
ENGL 3830 - Introduction to Play Writing
ENGL 3835 - Persuasive Writing
ENGL 3840 - Introduction to Poetry Writing
ENGL 3850 - Introduction to Fiction Writing
ENGL 3860 - Introduction to Nonfiction Writing
ENGL 3870 - Introduction to Editing and Publishing
ENGL 4730 - Language and Society

4. Electives - 24 s.h.

Choose an additional 18 s.h. of ENGL or FILM electives (exclusive of writing foundations courses [FC:EN]).
Choose an additional 6 s.h. of ENGL or FILM electives 4000 or above, excluding ENGL 4510, ENGL 4520, ENGL 4550, ENGL 4555, ENGL 4890, and ENGL 4891. Qualified undergraduates may take 5000-level ENGL courses as electives.

5. Senior writing portfolio.

6. Minor and general electives to complete requirements for graduation.

http://catalog.ecu.edu/preview_entity.php?catoid=4&ent_oid=288

**ENGL 3040 - Introduction to Professional Writing**
3 WI

P: ENGL 1200 or ENGL 2201. Overview of professional writing principles, current communication issues, research practices, and emerging technologies.

**ENGL 3070 - Shakespeare: The Histories**
3 FC:HU Formerly ENGL 4070

P: ENGL 1200 or 2201 ENGL 1100. Close reading and critical study of Shakespeare’s history plays.

**ENGL 3080 - Shakespeare: The Comedies**
3 F,S FC:HU Formerly ENGL 4080

P: ENGL 1200 or 2201 ENGL 1100. Close reading and critical study of Shakespeare’s comedies.

**ENGL 3090 - Shakespeare: The Tragedies**
3 F,S FC:HU Formerly ENGL 4090

P: ENGL 1200 or 2201 ENGL 1100. Close reading and critical study of Shakespeare’s tragedies.

**ENGL 3240 - U.S. Latino/a Literature**
3 WI FC:HU DD

P: ENGL 1100. Examines literatures written in English in United States by Latino/a writers, including Chicano/a, Cuban-American, Dominican-American, and Puerto Rican-American writers.
ENGL 3895 - Topics in Technical and Professional Writing
3 WI

P: ENGL 1200 or ENGL 2201; consent of instructor. Intensive study of special topic(s) in technical and professional communication announced by instructor before preregistration period.

ENGL 3950 - Literature for Children
3 F,S,SS FC:HU SL* Formerly ENGL 4950

P: ENGL 1200 or ENGL 2201. Survey of literature for children from early childhood to junior high school.

ENGL 4000 - Introduction to Literary Theory
3

P: English major, minor, or concentration or consent of dept. Comparative study of current approaches to reading literature in various contexts, beginning with New Criticism. Covers approaches such as reader-response, psychoanalytic, poststructuralist, feminist, and postcolonial.

ENGL 4070 - Shakespeare: The Histories
3 FC:HU

P: ENGL 1200 or ENGL 2201. Close reading and critical study.

ENGL 4080 - Shakespeare: The Comedies
3 F,S FC:HU

P: ENGL 1200 or ENGL 2201. Close reading and critical study.

ENGL 4090 - Shakespeare: The Tragedies Topics
3 F,S FC:HU

P: ENGL 1200 or ENGL 2201. Close reading and critical study of a selection of Shakespeare’s plays and poems in literary, cultural, and/or historical context.

ENGL 4091 - Shakespeare: Topics
3

P: ENGL 1200 or 2201. Close reading and critical study of a selection of Shakespeare’s plays and poems in literary, cultural, and/or historical context.

ENGL 4100 - Seventeenth-Century Literature
3 WI FC:HU

P: ENGL 1200 or ENGL 2201. Prose and poetry of seventeenth century England.

ENGL 4891 - Practicum: Careers in Writing
3 WI

Supervised internship. Minimum of 140 work and academic hours per semester. P: ENGL 1200 or
ENGL 2201; consent of instructor. Practical, professional writing in office or agency. Parallel readings and study.

**ENGL 4950 - Topics in Children’s and Young Adult Literature for Children**

3 F,S,SS FC:HU SL*

**P:** ENGL 1200 or ENGL 2201. Early childhood through junior high school literature. Movements, authors, and genres in literature for children and adolescents from 1700 to the present.

**ENGL 4951 - Topics in Children’s and Young Adult Literature**

3

**P:** ENGL 1200 or ENGL 2201. Movements, authors, and genres in literature for children and adolescents from 1700 to the present.

### VII. Undergraduate Banked Courses Initial Cleanup

Deletion of the following banked courses:

- ACCT 3581, 4821, 4941, 4951
- ANTH 3024, 3075, 3076, 3112, 4252
- ART 2950, 3900, 3910, 4450, 4451, 4452, 4460, 4461
- ASEU 3010, 3011
- BIOL 1070, 1071, 4720
- CHEM 1163, 3860, 3861, 5390, 5450, 5560, 5950, 5951, 5970
- CDER 3100, 4998, 4999
- COAD 5380
- COMM 3012, 3240, 3580, 4233
- CSCI 2510, 2610, 2611, 3510, 3574, 4600, 4604
- CSDI 4000, 4020, 5100
- DNCE 2052, 2062, 2071, 2072, 2081, 2082, 4031, 4032, 4041, 4042, 4051, 4052, 4061, 4062, 4072
- ECON 1000, 2250, 3363
- EDTC 3271, 3272, 3700
- ENGL 2750, 2800, 3620, 3710, 3800
- FACS 4400, 5300
- FREN 1050, 1060, 3260, 4316, 4360
- GEOG 1100, 1201, 2009, 2201, 3008, 3048, 3201, 3221, 3222, 3223, 4072
- GEOL 1601, 4100, 4101
- GERM 1050, 2100, 2220, 4100, 4387
- GERO 4600, 4601
- HIST 3030, 3220, 3486, 3910, 3915, 4450
- HMG 3393, 4208, 4209, 5351
- IENG 4094, 4095, 4504
- IDSN 2500, 2600, 4501, 4601, 4650
- LIBS 2123, 4323, 4324
- MATH 1063
- MGMT 3203, 4472, 4492, 4992
- MIS 4103, 4133
Removal of the following banked 5000-level courses from the undergraduate catalog only (remain in the graduate catalog):

- BIOL 5000, 5001, 5020, 5021, 5040, 5041, 5050, 5080, 5081, 5110, 5111, 5678, 5850, 5851, 5860, 5861, 5880, 5881, 5910, 5911, 5920, 5921
- CSCI 5726
- CDFR 5336, 5392, 5400, 5410
- DESN 5500
- DRED 5310
- EHST 5710, 5711, 5720, 5721
- ENGL 5120, 5130, 5140, 5190, 5270, 5390, 5410, 5460, 5740
- EXSS 5400
- GEOG 5020
- GEOL 5750, 5751
- HLTH 5313
- PHYS 5060, 5350, 5630, 5800
- PLAN 5035
- SOCI 5311

VIII. Undergraduate Courses Not Offered in 10 Years Cleanup

Deletion of the following courses not offered un ten or more years:

- ART 2030, 2071, 2900, 3953, 4900, 4910
- ANTH 4253
- BIOL 3400, 3401
- CLAS 2001, 2002
- COMM 2103, 3311, 4199
- DNCE 2061, 4076, 4231, 4241
- ECON 3960, 4430
- EDTC 3242, 3243, 3244, 3903, 4900, 4981, 4982, 4991, 4992
- EXSS 2788
- FINA 4564
- FREN 4990
- GEOG 3056
- GERO 4500
- GERM 3500
- HIST 1553, 3130, 3235, 3300, 3333, 3760, 4444
- HLTH 3225
- HNRS 2015, 3012, 4101
- HPRO 2000, 4300, 4305
- INTL 3852
- MATH 2935, 2550, 3551, 3573, 4332, 4502, 4551
- MUSC 1014, 1023, 1063, 1103, 1104, 1113, 1143, 1144, 1154, 1164, 1193, 1210, 1214, 1305, 1405, 1425, 1645, 2465, 3100, 3101, 3201, 3211, 3300, 4476, 4550
- NCST 4010
- PHIL 2451
- RCLS 3110, 3180, 3190
- SCIE 4000, 4010, 4020
- SOCI 2125, 4952
- SOCW 4530, 4540
- SPED 4352
- THEA 4026
- WOST 3000