University Curriculum Committee

Minutes of 12 October 2000

The meeting was called to order by Vice Chair Steven Estes at 2:00 in room 104-B Browser. Members and staff present: Ron Graziani, Steve Estes, Dale Knickerbocker, Sharon Bland, Greg Lapicki, Rick Taylor, David Bate, Chuck Singhas, Michael Aho, Thomas Huener, Rita Reaves, and Elizabeth Smith.

The minutes of the 28 September meeting were approved.

The changes from Theatre were presented by Professors Shearin and Caprio. Directing now at the "top" of the curriculum, so it is a "terminal" or capstone course. Editorial changes were made in some descriptions. Knickerbocker moved approval and Taylor Seconded. The motion passed.

Dawn Clark, Patti Weeks and John Shearin presented the Dance proposal. The proposal represents a reordered curriculum.

Question asked about admission process: some 1000 and 2000 admission by jury, others by consent of instructor. Why? Technique development by jury, while consent of instructor are for students at intermediate level.

Rita Reeves noted that this proposal, as well as Item 1 (above) are program development proposals. SACs will be asking for rationale for programmatic changes. Where are you getting input for making these changes? Answer: faculty broken into areas of performance. Program assessment is the topic of discussion in these groups when they meet. Theater package is a direct result of these discussions. Not from other agencies, alumni, but from faculty. There are National Assoc. of Schools of Dance criteria that are used. It was suggested that THEA/DNCE make a record of the rationale for programmatic change. Graziani moved approval and Knickerbocker seconded. The motion passed.

School of Industry and Technology new degree programs. Y.J. Lao, Elmer Poe, Doug Kruger, Chuck Coddington and Rosina Chia presented proposals. In general: Proposing new dept. (Engineering and Technology) with 3 separate degree programs. No action taken on this item as it is overview of the next three items.

BS in Civil Engineering Technology.
Batle moved approval/ Singhas seconded. The motion passed.

BS in Electronics Engineering Technology.
Several suggestions were made to have the chair/dean contact appropriate chairs in departments where there might be overlap.
Michael Aho moved approval contingent on letters of OK from CSCI & DSCI departments/ Huener seconded. The motion passed.

BS in Environmental Engineering Technology.
Michael Aho moved approval with editorial changes/ Knickerbocker seconded. The motion passed.

The vice chair presented the unbanking of MKTG 4352. Knickerbocker moved approval/Huener seconded. The motion passed.

University Curriculum Committee
Catalog Copy for October 12, 2000

Corrections to Catalog Copy Minutes for September 28, 2000:
The title of CLSC 4803 should be Introduction to Clinical Laboratory Information Systems.
In the description of CLSC 3410, the wording "for" should be changed to "from" as follows: "...bone marrow smear evaluations from natural..."
CLSC 3430 will become effective fall 2001.
CLSC 4440, 4441 will become effective spring 2002.

College of Arts and Sciences

Department of Theatre and Dance

p. 429: Revise THEA course as follows:

p. 431: Revise and renumber THEA course from 3070 to 4040 as follows:
4040. Directing I (3) (WI) (F) (Formerly THEA 3070) P: THEA 3020 or 3050; THEA 2035, 3035, 3036; or consent of instructor. Principles, techniques, and methods of analyzing and directing a play. Students work as assistant director or stage manager on a departmental production.

p. 431: Revise and renumber THEA course from 3080 to 4041 as follows:
4041. Directing II (3) (WI) (S) (Formerly 3080) P: THEA 4040 and consent of instructor. Advanced study of principles, techniques, and methods of directing plays in various styles and stage settings. Students work as assistant director or stage manager on a departmental production.


p. 429: Add new THEA courses as follows:
3036. Theatre History-Literature III (3) (F) (WI) (GE:FA) Integrated study of developments in theatre production and style. Dramatic literature from Age of Enlightenment in eighteenth century through beginnings of Modern Realism to
present day.

p. 430-431: Unbank the following THEA courses

p. 128: Revised catalog copy reflecting changes (in boldface) follows:

**BA IN THEATRE ARTS**

Theatre majors must attain a minimum grade of C in all required theatre courses. Minimum degree requirement is 120 s.h. of credit as follows:

1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.) 42 s.h.
2. Foreign language through level 100412 s.h.
3. Core 36 s.h.
   THEA 1010. Introduction to Acting I (3) (F) (S) (SS) (GE:FA)
   THEA 2001. Stage Scenery I (3) (F) (S) (GE:FA)
   THEA 2002. Stage Scenery II (3) (F) (S) (GE:FA) [P: THEA 2001] or THEA 4065. Stage Management (3) (F) (S) (GE:FA)

   THEA 2015. Voice and Articulation (3) (F) (S) (SS) [P: Intended THEA, DNCE majors]
   THEA 2035. Theatre History-Literature I (3) (WI) (S) (GE:FA)
   THEA 3003. Stage Lighting (3) (F) (S) [P: Consent of instructor]
   THEA 3004. Scenery Design I (3) (F) [P: THEA 2002 or consent of instructor]
   THEA 3007. Costume Design (3) (F) (S) (GE:FA)
   THEA 3035. Theatre History-Literature II (3) (F) (GE:FA)
   THEA 3036. Theatre History-Literature II (3) (S) (GE:FA)
   THEA 4040. Directing I (Formerly 3070) (3) (WI) (F) [P: THEA 1010 or 2020] THEA 4066. Theatre Management (3) (F) (S) (GE:FA)
4. Minor and electives to complete requirements for graduation.

**BFA IN THEATRE ARTS**

Theatre majors must attain a minimum grade of C in all required theatre courses. Minimum degree requirement is 126 s.h. of credit as follows:

1. General education (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.), including those listed below 42 s.h.
   ENGL 3330. Early Twentieth Century Drama (3) (WI) (F00) (GE:HU) [P: ENGL 1200]
   ENGL 3340. Contemporary Drama (3) (WI) (GE:HU) [P: ENGL 1200]
2. Core 15 s.h.
   THEA 1010. Introduction to Acting I (3) (F) (S) (SS) (GE:FA)
   THEA 2001. Stage Scenery I (3) (F) (S) (GE:FA)
   THEA 2015. Voice and Articulation (3) (F) (S) (SS) [P: Intended THEA, DNCE majors]
   THEA 4040. Directing I (Formerly THEA 3070) (3) (WI) (F) [P: THEA 1010 or 2020]
   Musical Theatre:
   THEA 3003. Stage Lighting (3) (F) (S) [P: Consent of instructor] or THEA 3007. Costuming (3) (F) (S)
   Professional Actor Training:
   THEA 3003. Stage Lighting (3) (F) (S) [P: Consent of instructor] or THEA 3004. Scenery Design I (3)(F) [P: THEA 2002 or consent of instructor]
   Theatre Design and Production:
   THEA 3003. Stage Lighting (3) (F) (S) [P: Consent of instructor] or THEA 3004. Scenery Design I (3) (F) [P: THEA 2002 or consent of instructor] or THEA 3007. Costuming (3) (F) (S)
3. Concentration area (Choose one.) 55-71 s.h.
   Musical Theatre (68-71 s.h.):
   Dance (22 s.h.):
   DNCE 1011. Ballet I (3) (F) (GE:FA)
   DNCE 1013. Jazz Dance I (3) (F) (GE:FA)
   DNCE 1021. Ballet II (3) (S)
DNCE 1023. Jazz Dance II (3) (S)
DNCE 2031. Ballet III (3) (F)
DNCE 2033. Jazz Dance III (3) (F) [P: 6 s.h. of ballet or consent of instructor]
DNCE 2201. Dance Improvisation I (1) (F)
DNCE 2202. Dance Improvisation II (1) (S)
DNCE 3014. Fundamentals of Tap Dance (Formerly DNCE 3070) (1) (F) (GE:FA)
DNCE 3024. Intermediate Tap Dance (Formerly DNCE 3072) (1) (S) [P: DNCE 3014 or consent of instructor]

Music (13-16 s.h.):
MUSC 1008. Music Theory for Nonmusic Majors (3) (F) (GE:FA) [P: Ability to read music or consent of instructor] or MUSC 1156. Basic Musicianship (4) (F)
MUSC 1018, 1028. Music Reading and Fundamentals for Nonmusic Majors (2,2) (GE:FA) or MUSC 1176 (F), 1186 (S). Basic Musicianship Laboratory (1,1)
*MUSC 1108 (F), 1118 (S). Nonmusic Major Group Voice (1,1) (GE:FA)
*MUSC 1208, 1218. Nonmusic Major Group Piano (1,1) (F) (GE:FA)

4 s.h. private applied voice

*A student who is exempt from any of these courses must take other applied voice or piano to complete the total applied hours.

Theatre (33 s.h.):
THEA 1020. Introduction to Acting II (3) (S) [P: THEA 1010]
THEA 2006. The Art of Make-up (1) (F) (S) [P: THEA major; C: THEA 2007]
THEA 2007. Make-up Laboratory (1) (F) (S) [C: THEA 2006]
THEA 2015. Voice and Articulation (3) (F) (S) (SS) [P: Intended THEA, DNCE majors]
THEA 2016. Vocal Production for the Actor (3) (F) [P: Professional acting and musical theatre majors; THEA 2015; or consent of instructor]
THEA 3015. Oral Interpretation (3) (S) [P: THEA 2015 or consent of instructor]
THEA 3050. Advanced Acting I (3)
THEA 3055. History of the American Musical Theatre (3) (WI) (S) [P: MUSC 2166 or consent of instructor]
THEA 3090. Musical Theatre Performance Techniques I (3) (F) [P: THEA 1020; demonstrated vocal skill; and/or consent of instructor]
THEA 3095. Musical Theatre Performance Techniques II (3) (S) [P: THEA 3090; audition or consent of instructor]
THEA 4080. Musical Theatre Practicum (1) [P: THEA 3095]
THEA 4090. Musical Theatre Performance Technique III (3) (F) [P: THEA 2035, 3095]
THEA 4095. Musical Theatre Performance Technique IV (3) (S) [P: THEA 4090]

Professional Actor Training (58 s.h.):
Students are admitted to the program after the freshman year by jury. Transfer students may also be admitted by interview and/or audition.

DNCE 1011. Ballet I (3) (F) (GE:FA)
DNCE 1021. Ballet II (3) (S)
THEA 1020. Introduction to Acting II (3) (S) [P: THEA 1010]
THEA 2002. Stage Scenery II (3) (F) (GE:FA) [P: THEA 2001] or THEA 4065. Stage Management (3) (F) (S) (GE:FA)
THEA 2006. The Art of Make-up (1) (F) (S) [P: THEA major; C: THEA 2007]
THEA 2007. Make-up Laboratory (1) (F) (S) [C: THEA 2006]
THEA 2010. Professional Acting Technique I (3) (F) [P: THEA 1020; audition and faculty jury]
THEA 2016. Vocal Production for the Actor (3) (F) [P: Professional acting and musical theatre majors; THEA 2015; or consent of instructor]
THEA 2020. Professional Acting Technique II (3) (S) [P: THEA 2010]
THEA 2035. Theatre History-Literature I (3) (WI) (S) (GE:FA)
THEA 3007. Costume Design (3) (GE:FA) (F) (S)
THEA 3010. Professional Acting Technique III (3) (F) [P: THEA 2020]
THEA 3015. Oral Interpretation (3) (S) [P: THEA 2015 or consent of instructor]
THEA 3020. Professional Acting Technique IV (3) (S) [P: THEA 3010]
THEA 3025. Intermediate Voice and Articulation (3) (F) (S) [P: THEA 2015 or consent of instructor]
THEA 3035. Theatre History-Literature II (3) (GE:FA) (F)
THEA 3036. Theatre History-Literature III (3) (GE:FA) (S)
THEA 4025. Television and Film Practicum for the Actor I (3) (F) [P: THEA 3020 or consent of instructor]
THEA 4031. Dialects for the Stage (2) (S) [P: THEA 2020 or consent of instructor]
THEA 4041. Directing II (Formerly THEA 3080) (3) (S) [P: THEA 4040 and consent of instructor]
THEA 4070. Professional Preparation and Audition Technique for Actors (3) (WI) (S) [P: THEA 4025]
Theatre Design and Production (55-59 s.h., excludes one of THEA 3003, 3004, 3007 taken as part of common core):
ART 1906. Art History Survey (3) (F) (S) (GE:FA) [P: ART 1905 or 1910] or ART 1907. Art History Survey (3)(F) (S) (GE:FA) [P: ART 1905 or 1910]
THEA 2002. Stage Scenery II (3) (F) (S) (GE:FA) [P: THEA 2001]
THEA 2009. Decor and Ornament for the Stage (3) (GE:FA)
THEA 2015. Voice and Articulation (3) (F) (S) (SS) [P: Intended THEA, DNCE majors]
THEA 2035. Theatre History-Literature I (3) (WI) (S) (GE:FA)
THEA 3000, 3001. Special Theatre Projects (1,1) [P: Consent of instructor]
THEA 3002. Advanced Theatrical Drafting (3) (F) [P: THEA 2002 or consent of instructor]
THEA 3003. Stage Lighting (3) (F) (S) [P: Consent of instructor]
THEA 3004. Scenery Design I (3) (F) [P: THEA 2002 or consent of instructor]
THEA 3007. Costume Design (3) (F) (S) (GE:FA)
THEA 3035. Theatre History-Literature II (3) (GE:FA) (F)
THEA 3036. Theatre History-Literature III (3) (GE:FA) (S)
THEA 4000, 4001. Special Theatre Projects (1,1) [P: Consent of instructor]
THEA 4002. Advanced Technical Production (6) [P: Junior standing and consent of instructor]
THEA 4099. Design and Production Portfolio (1) [P: Junior or senior standing and consent of instructor]
THEA 5000. Dramatic Arts Workshop (3)
Choose one from:
DNCE 1011. Ballet I (3) (F) (GE:FA)
DNCE 1012. Contemporary Dance I (3) (GE:FA)
DNCE 1013. Jazz Dance I (3) (F) (GE:FA)
THEA 1020. Introduction to Acting II (3) (S) [P: THEA 1010]
THEA 4041. Directing II (3) (S) [P: THEA 4040 and consent of instructor]
Choose two from:
THEA 2006. The Art of Make-up (1) (F) (S) [P: THEA major; C: THEA 2007]
THEA 2007. Make-up Laboratory (1) (F) (S) [C: THEA 2006]
THEA 3005. Scenery Design II (3) [P: THEA 3004]
THEA 3008. Advanced Costume Design (3) [P: THEA 3007 or consent of instructor]
THEA 4003. Advanced Stage Lighting (3) [P: THEA 3003 or consent of instructor]
THEA 4066. Theatre Management (3) (F) (S) (GE:FA)
  4. Electives to complete requirements for graduation.

BS IN THEATRE ARTS EDUCATION

Students interested in this program should contact the department chair prior to enrollment. See Section 7, Degree Programs, School of Education, Licensure, for NC teacher licensure requirements. Minimum degree requirement is 128 s.h. of credit as follows:

1. General education (See Section 6, Undergraduate Studies: Requirements for Baccalaureate Degree Programs.), including those listed below 42 s.h.
   PSYC 1000. Introductory Psychology (3) (F) (S) (SS) (GE:SO)
   PSYC 2201. Psychology of Childhood (3) (F) (S) (SS) (GE:SO) [P: PSYC 1000 or 1060 or equivalent] or PSYC 3206. Developmental Psychology (3) (W*) (F) (S) (SS) (GE:SO) [P: PSYC 1000 or 1060]
Choose 6 s.h. from:
   ENGL 3330. Early Twentieth Century Drama (3) (WI) (F00) (GE:HU) [P: ENGL 1200]
   ENGL 3340. Contemporary Drama (3) (WI) (GE:HU) [P: ENGL 1200]
   ENGL 4070. Shakespeare: The Histories (3) (WI) (GE:HU) [P: ENGL 1200]
   ENGL 4080. Shakespeare: The Comedies (3) (WI) (F) (S) (SS) (GE:HU) [P: ENGL 1200]
   ENGL 4090. Shakespeare: The Tragedies (3) (WI) (F) (S) (SS) (GE:HU) [P: ENGL 1200]
2. Core 59 s.h.
DNCE 1011. Ballet I (3) (GE:FA) or DNCE 1012. Contemporary Dance I (3) (GE:FA) or DNCE 1013. Jazz Dance I (3) (GE:FA)
EMST 2210. Audio Production (3) (F) (SS) [P: EMST 2110 or consent of department chair]
EMST 3310. Video Production (3) (F) (SS) [P: EMST 2310 or consent of department chair]
THEA 1010. Introduction to Acting I (3) (F) (SS) (GE:FA)
THEA 1020. Introduction to Acting II (3) (S) [P: THEA 1010]
THEA 2001. Stage Scenery I (3) (F) (GE:FA)
THEA 2006. The Art of Make-up (1) (F) (S) [P: THEA major; C: THEA 2007]
THEA 2007. Make-up Laboratory (1) (F) (S) [C: THEA 2006]
THEA 2015. Voice and Articulation (3) (F) (SS) [P: Intended THEA, DNCE majors]
THEA 2035. Theatre History-Literature I (3) (WI) (S) (GE:FA)
THEA 3003. Stage Lighting (3) (F) (S) [P: Consent of instructor]
THEA 3004. Scenery Design I (3) (F) [P: THEA 2002 or consent of instructor]
THEA 3007. Costume Design (3) (F) (S) (GE:FA)
THEA 3015. Oral Interpretation (3) (S) [P: THEA 2015 or consent of instructor]
THEA 3035. Theatre History-Literature II (3) (GE:FA) (F)
THEA 3036. Theatre History-Literature III (3) (GE:FA) (S)
THEA 4030. Creative Dramatics (3) (S) (GE:FA)
THEA 4040. Directing I (Formerly THEA 3070) (3) (WI) (F) [P: THEA 1010 or 2020]
THEA 4041. Directing II (Formerly 3080) (3) (S) [P: THEA 4040 and consent of instructor]
THEA 4065. Stage Management (3) (F) (S) (GE:FA)
THEA 4066. Theatre Management (3) (F) (S) (GE:FA)

3. Professional courses 27 s.h.
EDTC 4001. Technology in Education (2) (F) (S) [P: Admission to upper division]
EDUC 3200. Introduction to American Education (3) (WI*) (F) (S) (SS) [P: Early experience course or consent of instructor]
EDUC 4400. Foundations of School Learning, Motivation, and Assessment (3) (F) (S) [P: Admission to upper division]
READ 3990. Teaching Reading in the Content Areas in the Secondary School (2) (F) (S) (SS)
SPED 4010. Exceptional Students in the Regular Classroom (2) (F) (S) [RP: SPED 2000]
THEA 2123. Early Experiences for the Prospective Teacher (1)
THEA 4323. The Teaching of Theatre Arts in Grades K-12 (3)
THEA 4324. Internship in Theatre Education (10) [P: Admission to upper division; C: THEA 4325]
THEA 4325. Internship Seminar: Issues in Theatre Education (1) [P: Admission to upper division; C: THEA 4324]

MINORS

The student minoring in dance should take at least one dance course each semester. Faculty jury will determine placement in technique levels. The dance minor must complete level IV in at least one technique. Minimum requirement for theatre arts and dance minors is 24 s.h. credit as follows:

A. Theatre Arts

1. Core 15 s.h.
THEA 1010. Introduction to Acting I (3) (F) (SS) (GE:FA)
THEA 2001. Stage Scenery I (3) (F) (GE:FA)
THEA 2035. Theatre History-Literature I (3) (F) (GE:FA)
THEA 2015. Voice and Articulation (3) (F) (SS) [P: Intended THEA, DNCE majors]
THEA 3007. Costume Design (3) (F) (S) (GE:FA)

2. THEA electives 9 s.h.

p. 126: Delete from the requirements for BFA in Dance 4. Cognates as follows:
ART 1905 should be deleted. It is for art majors only.
p. 129: Add required courses for BFA in Theatre Arts: Musical Theatre concentration (as shown above) as follows:
DNCE 3014 (Formerly 3070) Fundamentals of Tap Dance (1) (F) (GE:FA)
DNCE 3024 (Formerly 3072) Intermediate Tap Dance (1) (S) (GE:FA) P: DNCE 3014 of consent of instructor.

p. 314-15: Revise and renumber DNCE course as follows:


3014. Fundamentals of Tap Dance (1) (F) (GE:FA) (Formerly DNCE 3070) 2 hours per week. Introduction to tap dance as a performing art through study of basic tap vocabulary, fundamental rhythms, locomotor movements, and tap styles.

3024. Intermediate Tap Dance (1) (S) (Formerly DNCE 3072) 2 hours per week. P: DNCE 3014 or consent of instructor. Designed to develop a vocabulary of tap terminology, a repertoire of tap steps, and a recognizable jazz/tap style in performance.

3114, 3124, 4134. Tap Technique Development I, II, III (1,1,2) (3114 Formerly DNCE 4074) (3124 Formerly DNCE 4075) (3114:F) (3124:F) (4134:F) (GE:FA) 3114, 3124: 2 hours per week; 4134: 3 hours per week. P: Placement by faculty jury. Progressive and continuous work in perfecting technique and style in tap dance.

p. 315: Revise DNCE 2211 and add new courses as follows:

p. 314-15: Add new DNCE course as follows:
1001. Fundamentals of Ballet (3) (SS) (GE:FA) 7.5 hours per week. Basic skills of ballet. Includes overview of ballet development.

1002. Fundamentals of Contemporary Dance (3) (SS) (GE:FA) 7.5 hours per week. Basic skills of modern dance. Includes overview of modern dance development.

1003. Fundamentals of Jazz Dance (3) (SS) (GE:FA) 7.5 hours per week. Basic skills of jazz dance. Includes overview of jazz dance styles.


2203, 2204. Dance Improvisation Aerobics (1,1) (GE:FA) 2 hours per week. Guided movement exploration within framework of aerobic workout. Emphasis on
spontaneous physical expression and high-paced release of energy.

p. 315: Renumber DNCE 3073 to 4034 as follows:
4034. Advanced Tap Dance (2) (F) (Formerly 3073) (GE:FA) 3 hours per week. P:
DNCE 3024 or consent of instructor. Progressive and continuous work in
perfecting techniques of tap dance.

School of Business

Department of Marketing

p. 377: Unbank MKTG 4352 as follows:
4352. Selling and Sales Management (3) (F) P: MKTG 3832. Nature and importance
of selling function, effective sales techniques, sales force recruiting,
testing, selection, training, motivation, compensation, evaluation, and
management.

School of Industry and Technology

Department of Construction Management

p. 197-198: Revise BS and Minor in Construction Management as follows:
BS in Construction Management, 2. Core, Delete ITEC 2020 and replace with CIET
2210. Construction and Civil Materials (3) (F,S)
Construction Management Minor, 1. Core, Delete ITEC 2020 and replace with CIET
2210. Construction and Civil Materials (3) (F,S)

Department of Engineering Technology

p. 17: Place the following in Degree Programs:
Insert Civil Engineering Technology - BS between Child Life and Classical
Studies.
Insert Electronics Engineering Technology - BS between Electronics and
Elementary Education
Insert Environmental Engineering Technology - BS between English Education and
Environmental Health.

p. 199: Insert the following copy between Department of Construction Management
and Department of Environmental Health Sciences, Safety, and Technology.

DEPARTMENT OF ENGINEERING TECHNOLOGY
The engineering technology programs were designed to be ABET accredited.

BS IN CIVIL ENGINEERING TECHNOLOGY
Students who have an associate degree from an ABET accredited civil engineering
technology program will be admitted directly into the transfer program. All
other transfer student hours will be individually evaluated for program credit.
Minimum degree requirement is 126 s.h. credit as follows:
1. General education requirements (See Section 6, Undergraduate Studies,
Requirements for Baccalaureate Degree Programs.). Some courses listed in 3.,
below, may count toward general education.............. 42 s.h.
2. Core (Choose one.).......................................................... 64 s.h.

Civil Engineering Technology (64 s.h.):
CIET 2210. Construction and Civil Materials (3) (F,S)
CIET 2242. Engineering Economics (3), (F,S) [P: Math 1085]
CIET 3000. Industry Work Experience (0) (F,S,SS) [P: Consent of instructor]
CIET 3236. Strength of Materials (3) (F or S) [P: CMGT 3660; MATH 2171; PHYS
2350]
CIET 3238. Dynamics (3) (F or S) [P: CIET 3236]
CIET 3278. Hydraulics (3) (F or S) [P: CMGT 3666, 3667; MATH 2171, 2283; PHYS
2350]
CIET 4242. Structural Analysis and Design I (3) (F or S) [P: CIET 3238]
CIET 4244. Structural Analysis and Design II (3) (F or S) [P:CIET 4242]
CIET 4266. Route Surveying (4) (F or S) [P: CMGT 3666, 3667]
CMGT 2666. Soils and Foundations (3) (F,S,SS) [P: CMGT 2664; GEOL 1500, 1501;
MATH 1074; PHYS 1250, 1251
CMGT 3100, 3101. Architectural Plans and Analysis (3,0) (F,S,SS) [P: CMGT 2660, 2661, 2664; DESN 2034, 2035; MATH 1065]
CMGT 3660. Structural Analysis (3) (F,S,SS) [P: CMGT 2664; MATH 1074; PHYS 1250, 1251]
CMGT 3664. Construction Contracts and Specifications (3) (F,S,SS) [P: CMGT 2664; FINA 2244]
CMGT 3666, 3667. Construction Surveying (3,0) (F,S,SS) [P: DESN 2034, 2035; MATH 1074 or 1075; consent of instructor]
CMGT 4660. Construction Estimating (3) (F,S) [P: CMGT 3100, 3101, 3664; ITEC 2000 or computer elective; C: CMGT 3660]
CMGT 4662. Construction Planning and Scheduling (3) (F,S) [P/C: CMGT 4660]
CMGT 4664. Construction Supervision (3) (F,S) [P: CMGT 4662]
DESN 2034, 2035. Engineering Graphics I (3,0) (F,S) [P: Computer-related elective]
EHST 3926. Construction Safety (3) (F,S)
ITEC 3290. Technical Writing (3) (WI) (F,S,SS) [P: ENGL 1200]
Choose 6 s.h. of electives approved by adviser
Civil Engineering Transfer Program (64 s.h.):
The civil engineering technology program recognizes all transfer credits that meet program requirements that are evaluated and accepted under East Carolina University admissions office requirements. Students with an associate degree in civil engineering technology from a community college program accredited by ABET will be accepted into the civil engineering technology program with 24 semester hours of civil engineering technology credit. Civil engineering technology follows all East Carolina University guidelines governing credits for students from a technical institute, community college, college, or university.
3. Cognates (May count 14 s.h. toward general education requirements.).................................................. 30 s.h.
CHEM 1150. General Chemistry (3) (F,S,SS) (GE:SC) [P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065]
CHEM 1151. General Chemistry Laboratory (1) (F,S,SS) (GE:SC) [P: Chemistry placement test or passing grade in CHEM 0150; P/C: MATH 1065]
GEOL 1500. Physical Geology (3) (F,S,SS) (GE:SC)
GEOL 1501. Physical Geology Laboratory (1) (F,S,SS) (GE:SC) [C: GEOL 1500]
ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F,S,SS) or DSCI 2223. Introduction to Computers (3) (F,S,SS)
MATH 1085. Pre-Calculus Mathematics (5) (F,S,SS) (GE:MA) [P: Appropriate score on mathematics placement test] or MATH 1065 with a minimum grade of C.
MATH 2171. Calculus I (4) (F,S,SS) [P: MATH 1085 or 2122 with a minimum grade of C]
MATH 2283. Statistics for Business (3) (F,S,SS) [P: MATH 1065 or 1066 or equivalent]
PHYS 2350. University Physics (4) (F,S,SS) (GE:SC) [P: MATH 2121 or 2171]
SPCH 2520. Business and Professional Communication (3) (F,S,SS) (GE:FA)
4. Electives to complete requirements for graduation.
BS IN ELECTRONICS ENGINEERING TECHNOLOGY
Students who have an associate degree from an ABET accredited electronics engineering technology program will be admitted directly into the transfer program. All other transfer student hours will be individually evaluated for program credit. Minimum degree requirement is 126 s.h. credit as follows:

1. General education requirements (See Section 6, Undergraduate Studies, Requirements for Baccalaureate Degree Programs.). Some courses listed in 3., below, may count toward general education............... 42 s.h.
2. Core (Choose one.)............................................................ 63 s.h.
   Electronics Engineering Technology (63 s.h.):
   ELET 2700. DC Circuits (4) (F,S) [P: MATH 1085]
   ELET 2702. AC Circuits (4) (F) [P: MATH 2171 with a grade of C or better]
   ELET 2710. Analog Circuits (4) (S) [P: ELET 2702]
   ELET 2720. Digital Circuits (4) (S)
   ELET 2730. Control Design (3) (S) [P: ELET 2720]
   ELET 2750. Microprocessing (4) (F) [P: ELET 2720]
   ELET 3000. Introduction to Telecommunications (3) (F) [P: MATH 1085]
   ELET 3010. Data Communications (4) (F) [P: ELET 2710, 2720, 2750, 3000; MATH

https://author.ecu.edu/cs-acad/fsOnline/cu/cu10_00.cfm
2172; PHYS 2360
ELET 3020. Computer Networks (4) (S) [P: ELET 3010]
ELET 3510. Network Environment I (4) (F) [P: ELET 3020]
ELET 3520. Wireless Communication (4) (S) [P: ELET 3010]
ELET 3530. Network Environment II (4) (S) [P: ELET 3020]
ELET 4000. Network Internship (3) (F,S) [P: Senior standing]
ELET 4040. Communication Security (3) (S) [P: ELET 3510, 3530]
ELET 4050. Integrated Network Services (4) (S) [P: ELET 2730, 3510, 3530]
ELET 4060. Regulations and Policies (3) (S) [P: ELET 3000]
ELET 4080. System Analysis and Design (4) (S) [P: ELET 3510, 3530]

Electronics Engineering Transfer Program (63 s.h.):
The electronics engineering technology program recognizes all transfer credits
that meet program requirements and that are evaluated and accepted by the East
Carolina University admissions office. Students with an associate degree in
electronics engineering technology from a community college program accredited
by ABET will be accepted into the electronics engineering technology program
with 24 semester hours of electronics engineering technology credit.
Electronics engineering technology follows all East Carolina University
guidelines governing credits for students from a technical institute, community
college, college, or university.
3. Cognates (May count 20 s.h. toward general
education)..........................37 s.h.
ECON 2113. Principles of Microeconomics (3) (F,S,SS) (GE:SO)
ITEC 3290. Technical Writing (3) (WI) (F,S, SS) [P: ENGL 1200]
MATH 1085. Pre-Calculus Mathematics (5) (F,S,SS) (GE:MA) [P: Appropriate score
on mathematics placement test] or MATH 1065 with a minimum grade of C.
MATH 2171. Calculus I (4) (F,S,SS) [P: MATH 1085 or 2122 with a minimum grade of
C]
MATH 2172. Calculus II (4) (F,S,SS) [P: MATH 2171 or 2122 with a minimum grade
of C]
MATH 2283. Statistics for Business (3) (F,S,SS) [P: MATH 1065 or 1066 or
equivalent] or MATH 2228. Elementary Statistical Methods I (3) (F,S,SS) [P: MATH
1065 or equivalent]
PHYS 2350. University Physics I (4) (F,S,SS) (GE:SC) [P: MATH 2121 or 2171]
PHYS 2360. University Physics II (4) (F,S,SS) (GE:SC) [P: MATH 2121 or 2171; PHY
2350]
PHYS 1261. General Physics Lab (1) (F,S,SS) (GE:SC) [C: PHYS 1260 or 2360]
PSYC 1000. Introduction to Psychology (3) (F,S) (SS) (GE:SO)
SPCH 2510. Public Speaking (3) (F,S,SS) (GE:FA) or SPCH 2520. Business and
Professional Communication (3) (F,S,SS) (GE:FA)
4. Electives to complete requirements for graduation.
BS IN ENVIRONMENTAL ENGINEERING TECHNOLOGY
Minimum degree requirement is 126 s.h. of credit as follows:
1. General Education Requirements (See Section 6, Undergraduate Studies,
Requirements for Baccalaureate Degree Programs.). Some courses listed in 3 below
may count toward general education 42 s.h.
2. Core 48 s.h.
EHST 4200. Management and Law (3) (WI) (S)
ELEC 2150. Circuit Analysis (3) (F) (S) [P: ELEC 2054]
ENET 2000. Introduction to Environmental Engineering Technology (3) (F)
ENET 2900. Fundamentals of Engineering Hydraulics (3) (S)
ENET 3400. Waste Water Treatment Technology (3) (F)
ENET 3550. Environmental Site Remediation (3) (F) [P: CHEM 2750; ENET 2000; GEOL
1700; or consent of instructor]
ENET 3850. Hazardous and Solid Waste Control Technology (3) (S)
ENET 3950. Environmental Chemistry (3) (F)
ENET 4650. Air Pollution Control Engineering (3) (F)
ENET 4700. Engineering Thermodynamics (3) (S)
ENET 4990. Internship (3) (SS) [P: Minimum of 15 s.h. of ENET]
ITEC 2000. Industrial Technology Applications of Computer Systems (3) (F) (S)
(SS)
ITEC 3290. Technical Writing (3) (WI) (F) (S) (SS) [P: ENGL 1200]
Choose 9 s.h. of electives approved by advisor.
3. Cognates (May count 26 s.h. toward general education.) 62 s.h.
BIOL 1050, 1051. General Biology and Laboratory (4) (F) (S) (SS)
CHEM 1150, 1151. General Chemistry and Laboratory I (4) (F) (S) (SS) (GE:SC)
CHEM 1160, 1161. General Chemistry and Laboratory II (4) (F) (S) (SS) [P: CHEM 1150, 1151]
CHEM 2750. Organic Chemistry I (3) (F) (S) (SS) [P: CHEM 1160, 1161]
ECON 2113. Principles of Microeconomics (3) (F) (S) (SS) (GE:SO)
GEOL 1700. Environmental Geology (4) (F) (S) (GE:SC)
MATH 1085. Pre-Calculus Mathematics (5) (F) (S) (SS) (GE:MA) [P: Appropriate score on mathematics placement test] or MATH 1065 with a minimum grade of C.
MATH 2171. Calculus I (4) (F) (S) (SS) [P: MATH 1085 or 2122 with a minimum grade of C]
MATH 2172. Calculus II (4) (F) (S) (SS) [P: MATH 2171 or 2122 with a minimum grade of C]
MATH 2173. Calculus III (4) (F) (S) (SS) [P: MATH 2172]
MATH 2283. Statistics for Business (3) (F) (S) (SS) [P: MATH 1065 or 1066 or equivalent]
PSYC 1000. Introduction to Psychology (3) (F) (S) (SS) (GE:SO)
PSYC 3241. Industrial Psychology (3) (F) (S) (SS) (GE:SO)
PHYS 2350. University Physics I (4) (F) (S) (SS) (GE:SC) [P: MATH 2121 or 2171]
SOCI 2110. Introduction to Sociology (3) (F) (S) (SS) (GE:SO)
SPCH 2510. Public Speaking (3) (F,S) (SS) (GE:FA) or SPCH 2520. Business and Professional Communication (3) (F,S) (SS) (GE:FA)
PHYS 2360. University Physics II (4) (F) (S) (SS) (GE:SC) [P: MATH 2121 or 2171, PHY 2350]

4. Electives to complete requirements for graduation.

p. 303: Insert the following courses between CHIN - Chinese and CLAS - Classical Studies.

CIET: CIVIL ENGINEERING TECHNOLOGY

2210. Construction and Civil Materials (3) (F) (S) Introductory course. Focuses on timber, concrete, masonry, composites and steel. Covers physical characteristics, properties, and applications to construction industry.


3000. Industry Work Experience (0) (F,S,SS) P: Consent of instructor. Minimum of 500 documented work hours in construction and/or design completed with a registered professional engineer, state-licensed general contractor, subcontractor, construction management company, or other instructor approved employment.

3236. Strength of Materials (3) (F,S) P: CMGT 3660; MATH 2171; PHYS 2340. Concepts of stress, strain, and elastic deformation. Includes axial, torsional, flexural, and combined stresses; elongation; deflection; and column buckling.

3238. Dynamics (3) (F or S), P: CIET 3236. Problem-solving methods in kinematics. Includes absolute and relative motion of particles and rigid bodies, and kinetics. Solution of problems by methods of force, mass, and acceleration, work and energy, and impulse and momentum.

3278. Hydraulics (3) (F or S) 2 lecture and 4 lab hours per week. P: CMGT 3666, 3667; MATH 2171, 2283; PHYS 2350. Fundamental principles of hydraulics and their applications in engineering practice. Includes fundamentals of fluid flow through orifices, tubes, and pipes; in open channels; and over weirs.

4242. Structural Analysis and Design I (3) (F or S) P: CIET 3238. Analytical analysis of statically indeterminate beams and trusses; design of structural components of steel and concrete and of connections. Use of building codes and design handbooks.

4244. Structural Analysis and Design II (3) (F or S) P: CIET 4242. Continuation of CIET 4242. Includes analysis and design of statically indeterminate structural components.
4266. Route Surveying (4) (F or S) P: CMGT 3666, 3667. 2 lecture and 4 lab hours per week. Highway grades, profiles, cross-section and slope staking; vertical, circular, compound and spiral curves; earthwork computations.

p. 325: Insert the following courses between ELEM: Elementary Education and EMST: Electronic Mass Media Studies

ELET: ELECTRONICS ENGINEERING TECHNOLOGY

2700. DC Circuits (4) (F,S) 3 lecture and 2 lab hours per week. P: MATH 1085. Includes Kirchoff's Laws, Thevenin's Theorem, Superposition Theorem, and basic design of DC instruments, magnetic circuits, and transient analysis. Lab includes experimental study of concepts.

2702. AC Circuits (4) (F) 3 lecture and 2 lab hours per week. P: MATH 2171 with a minimum grade of C. Basic principles of alternating current circuits, vectors, phase relationships, inductance, capacitance, impedance, and reactance. Includes application of network theorems to AC analysis.

2710. Analog Circuits (4) (S) 3 lecture and 2 lab hours per week. P: ELET 2702. Electronic circuit devices and operational amplifiers. Emphasis on importance associated with configurations and applications. Computer simulation software will be used to enhance circuit visualization.

2720. Digital Circuits (4) (S) 3 lecture and 2 lab hours per week. Basic logic functions; number systems and codes; logic circuits and Boolean Algebra; and Karnaugh mapping. Circuit analysis and design focus on flip-flops and related devices, counters, registers, MSI logic, interfacing, and memory devices.

2730. Control Design (3) (S) P: ELET 2720. Technologies and applications in designing device controls applied for local area network and Internet applications. Include software programming and lower-level interface design.

2750. Microprocessing (4) (F) 3 lecture and 2 lab hours per week. P: ELET 2720. Fundamentals of microprocessor architecture, programming, and hardware. Investigates hardware, software, and schematic interpretation problems to enhance problem-solving and critical thinking.

3000. Introduction to Telecommunications (3) (F) P: MATH 1085. Includes computer networking. Broad view of technology and application in information technology industry.

3010. Data Communications (4) (F) 3 lecture and 2 lab hours per week. P: ELET 2710, 2720, 2750, 3000; MATH 2172; PHYS 2360. Implements technology in data communication systems. Includes analog and digital communication method, encoding schemes, standards, and telephone networks.

3020. Computer Networks (4) (S) 3 lecture and 2 lab hours per week. P: ELET 3010. Implements communication architecture, protocol, and technology for local area network and wide area network. Includes circuit and packet switching, ATM and frame relay, local area network, wide area network, and distributed applications.

3510. Network Environment I (4) (F) 3 lecture and 2 lab hours per week. P: ELET 3020. Network management using various NOS products. Topics include NOS setup, network resource management, user and group management, and security model.

3520. Wireless Communication (4) (S) 3 lecture and 2 lab hours per week. P: ELET 3010. Characteristics, technology, and standards for cellular and cordless telephones, personal communication systems, and wireless LANs.

3530. Network Environment II (4) (S) 3 lecture and 2 lab hours per week. P: ELET 3020. Network management using various UNIX products, such as Linux and Solaris. Includes NOS setup, network resource management, user and group management, and security model.
4000. Network Internship (3) (F,S) Minimum of 120 contact hours at internship site. P: Senior standing. Educational collaboration between business/industry and ECU, linking theoretical and lab practice with real-world applications. Proposal, fully describing planned activities, developed around student's educational goals and objectives.


4050. Integrated Network Services (4) (S) 3 lecture and 2 lab hours per week. P: ELET 2730, 3510, 3530. Various integrated services to provide connectivity and operation over Intranet, Extranet, and Internet. Includes TCP/IP based services, integration to RDBMS system, and e-commerce and e-business systems.

4060. Regulations and Policies (3) (S) P: ELET 3000. Government and industry regulations and policies applied to information technology industry. Broad view of impact and effectiveness of regulations and policies.

4080. System Analysis and Design (4) (S) 3 lecture and 2 lab hours per week. P: ELET 3510, 3530. Cooperative learning capstone course integrates theory and practice to solve real-world problems. Addresses design application problems from circuit prototyping to computer network implementations, while sharing solution sets with peers.

p. 327: Insert the following courses between EMST: Electronic Mass Media Studies and ENGL: English.

ENET: ENVIRONMENTAL ENGINEERING TECHNOLOGY

2000. Introduction to Environmental Engineering Technology (3) (F) Application of engineering principles for planning, designing, constructing, and operating environmental protection technologies.

2900. Fundamentals of Engineering Hydrodynamics (3) (S) Hydraulic principles basic to design, operation, and maintenance of water or wastewater utility.

3400. Waste Water Treatment Technology (3) (F) Fundamental principles and technology in water and wastewater treatment. Emphasis on reaction kinetics, separation process, biological process, and unit operations.

3550. Environmental Site Remediation (3) (F) P: CHEM 2750; ENET 2000; GEOL 1700; or consent of instructor. For environmental technologists directly or indirectly involved in characterization and remediation of contaminated sites. Conventional, enhanced, and innovative treatment technologies currently used by environmental community. Includes applicable regulations and guidelines for site assessment and management.

3850. Hazardous and Solid Waste Control Technology (3) (S) Detailed examination of problems associated with designing and building landfills and how performance is monitored over time. Includes site selection, mass balance, landfill cover design, leachate collection, gas collection, and construction and operation.

3950. Environmental Chemistry (3) (F) Sources, transport, and effects of chemical elements and compounds in environment and their relationship with technology.

4650. Air Pollution Control Engineering (3) (F) Principles and practices. Emphasis on engineering control methods for particulate and gaseous air pollutants.

4700. Engineering Thermodynamics (3) (S) Emphasis on application of equilibrium, energy, and entropy in engineering problems.
4990 Internship (3) (S) P: Minimum of 15 s.h. of ENET. Supervised learning experience in approved environmental engineering facility.