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Committee Minutes Committee

6-2-2011

Undergraduate Curriculum and Academic Policy Committee Minutes, June 2, 2011

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Undergraduate Curriculum and Academic Policy Committee

Minutes of June 2, 2011 Meetings

Present June 2: Stephanie Davis, Jean Edwards, Kathy Keister, Joe Law, Sarah McGinley, Richard Mercer, Tom Sav, Vaughn Shannon, Joe Slater. Guests: Mary Holland, Barbara Dunaway.
Semester Conversion Inventory

June 2

Reviewed the following Semester courses:

(Note: Committee revisions are not reflected in the following documents. Individuals should login to the Course Inventory Workflow or visit the UCAPC Quarter to Semester Transition website to review revisions.)

June 2 Semester Courses*

*As agreed to by the college representatives, the committee made revisions to AED 2680, ED 3020, ED 3030, ED 3050, ED 3070, ED 4610, ED S4400, EDS 4460, SCM 4600, SW 2720, URS 3000, URS 3300 .

Program Conversions to Semester

June 2

The committee reviewed the following program from the COSM and CEHS. Individuals should login to the Program Inventory Workflow or visit the UCAPC Quarter to Semester Transition website to review any revisions made to these programs.

Computer Science Earth and Environmental Science Concentration, B.S. Teacher Education Early Childhood General Endorsement Certificate

Wright State Core

June 2

The committee discussed the PHY 2450 and PHY 2460 problem associated with content overlap and recommended against the two course separately being included in the Core. The committee suggested that the responsible programs consider a single course.

June 2

The committee decided to forward to next academic year the continuation of the review of the semester High School Preparation Policy, WSCore Courses, Policy Governing Transfer Students' Completion of the WSCore, Guidelines for Implementation of the WSU's Core Transfer Policy, and Student guide for Transition to the WSCore.

Adjourned for the Academic Year 2010-2011: UCAPC meetings and Senate meetings are as follows:

UCAPC Meeting	UCAPC Submission Deadline (No Exceptions: receipt after	Faculty Senate Meeting New Business	Faculty Senate Meeting Old Business
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	forwards to the next meeting)		
Fall Quarter 2011 TBA	One week prior to UCAPC meetings. 12:00 Noon No exceptions.	September 12 October 3 November 7	October 3 November 7 January 9, 2012

[UCAPC HOME](#)



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<p>7754 STATUS: Process CREATOR: Melissa Rubins CREATED: 5/4/11 IN-PROCESS: 5/19/11 WorkFlow</p>	<p>VERSION: CURR COURSE: AED431 - Art and the Child STUDENT REC TITLE: Art and the Child EFFECTIVE: Fall 2011 COURSE DESC: Understanding child growth and development through creative expression with emphasis on functions and procedures for art in the classroom. Includes curriculum implementation strategies. Experiences in art media appropriate to the elementary school and in-field observations of art in the schools. COLLEGE: College of Ed & Human Services CRED HR: 4 VAR CRED RANGE: - GRADE SYS: LEVEL: Undergraduate COURSE TYPE: Lecture/Lab Combination QTR EQUIV: AED 431</p> <hr/> <p>VERSION: REV COURSE: AED2680 - Creative Arts in the Early Childhood Classroom STUDENT REC TITLE: Creative Arts in ECE EFFECTIVE: Fall 2012 COURSE DESC: Understanding the relationship between child growth and development and creative expression with emphasis on functions and procedures for art in the classroom. Includes curriculum implementation strategies for early childhood education PK-3rd grade. COLLEGE: College of Ed & Human Services CRED HR: 3 VAR CRED RANGE: 0 - 0 GRADE SYS: S LEVEL: Undergraduate COURSE TYPE: Lecture REP HRS: 0 REP TIMES: 0 RESTRICTION: Admitted into the BEd in Early Childhood Education Program QTR EQUIV: AED 431</p>



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
7606 STATUS: Process CREATOR: David Grossie CREATED: 3/21/11 IN-PROCESS: 5/20/11 WorkFlow	VERSION: CURR COURSE: CHM458 - Physical Chemistry Laboratory II STUDENT REC TITLE: Physical Chemistry Lab II EFFECTIVE: Spring 2011 COURSE DESC: Experimental methods of physical chemistry. COLLEGE: College of Science & Math CRED HR: 3 VAR CRED RANGE: - GRADE SYS: LEVEL: Undergraduate COURSE TYPE: Lab QTR PREREQ: CHM 457 QTR EQUIV: CHM 458
	VERSION: REV COURSE: CHM3520L - Physical Chemistry Laboratory II STUDENT REC TITLE: Physical Chem Lab II EFFECTIVE: Fall 2012 COURSE DESC: Experimental methods of physical chemistry. Integrated Writing course. COLLEGE: College of Science & Math CRED HR: 2 VAR CRED RANGE: 0 - 0 WRIT INT: Y GRADE SYS: S LEVEL: Undergraduate COURSE TYPE: Lab, Recitation REP HRS: 0 REP TIMES: 0 SEM PREREQ: CHM 3510L COREQ: CHM 3520 XLIST: CHM 5520L QTR PREREQ: CHM 457 QTR EQUIV: CHM 458



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
7708 STATUS: Process CREATOR: Melissa Rubins CREATED: 4/11/11 IN-PROCESS: 5/19/11 WorkFlow	VERSION: REV COURSE: ED3020 - Principles, Practices, and Learning in Grades 4 and 5 STUDENT REC TITLE: Prin Pract and Learn 4/5 EFFECTIVE: Fall 2012 COURSE DESC: Development of the young child in pre-adolescence; developmentally appropriate pedagogical strategies and practices for effective teaching and learning COLLEGE: College of Ed & Human Services CRED HR: 3 VAR CRED RANGE: 0 - 0 GRADE SYS: S LEVEL: Undergraduate COURSE TYPE: Lecture REP HRS: 0 REP TIMES: 0 RESTRICTION: Admitted into the Early Childhood Generalist - Endorsement Program



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<p>7709 STATUS: Process CREATOR: Melissa Rubins CREATED: 4/11/11 IN-PROCESS: 5/19/11</p> <p style="border: 1px solid black; padding: 2px; display: inline-block;">WorkFlow</p>	<p>VERSION: REV COURSE: ED3030 - Reading and Language Arts Instruction in Social Studies for Grades 4 and 5 STUDENT REC TITLE: LA and SS Grades 4/5 EFFECTIVE: Fall 2012 COURSE DESC: Pedagogy and content knowledge of content area reading through the study of grades 4 and 5 social studies. COLLEGE: College of Ed & Human Services CRED HR: 3 VAR CRED RANGE: 0 - 0 GRADE SYS: S LEVEL: Undergraduate COURSE TYPE: Lecture REP HRS: 0 REP TIMES: 0 RESTRICTION: Admitted into the Early Childhood Generalist - Endorsement Program SEM PREREQ: ED 3020</p>



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<p>7711 STATUS: Process CREATOR: Melissa Rubins CREATED: 4/11/11 IN-PROCESS: 5/19/11 WorkFlow</p>	<p>VERSION: REV COURSE: ED3050 - Effective Science Instruction for Grades 4 and 5 STUDENT REC TITLE: Sci Instr Grades 4/5 EFFECTIVE: Fall 2012 COURSE DESC: Curriculum and materials for teaching middle level science pertinent to the Ohio Academic Content Standards with emphasis on content, developmentally appropriate pedagogy, curriculum and materials suitable for teaching fourth and fifth grade science education. COLLEGE: College of Ed & Human Services CRED HR: 3 VAR CRED RANGE: 0 - 0 GRADE SYS: S LEVEL: Undergraduate COURSE TYPE: Lecture REP HRS: 0 REP TIMES: 0 RESTRICTION: Admitted into the Early Childhood Generalist - Endorsement Program SEM PREREQ: ED 3020</p>



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<p>7712 STATUS: Process CREATOR: Melissa Rubins CREATED: 4/11/11 IN-PROCESS: 5/19/11 WorkFlow</p>	<p>VERSION: REV COURSE: ED3070 - Effective Mathematics Instruction for Grades 4 and 5 STUDENT REC TITLE: Math Inst Grades 4/ 5 EFFECTIVE: Fall 2012 COURSE DESC: Curriculum and materials for teaching middle level mathematics pertinent to the Ohio Academic Content Standards with emphasis on content, developmentally appropriate pedagogy, curriculum and materials suitable for teaching fourth and fifth grade mathematics education. COLLEGE: College of Ed & Human Services CRED HR: 3 VAR CRED RANGE: 0 - 0 GRADE SYS: S LEVEL: Undergraduate COURSE TYPE: Lecture REP HRS: 0 REP TIMES: 0 RESTRICTION: Admitted into the Early Childhood Generalist - Endorsement Program SEM PREREQ: ED 3020</p>



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<p>7756 STATUS: Process CREATOR: Melissa Rubins CREATED: 5/4/11 IN-PROCESS: 5/19/11 WorkFlow</p>	<p>VERSION: CURR COURSE: ED460 - Practicum in English Education STUDENT REC TITLE: Practicum in English Ed EFFECTIVE: Fall 2011 COURSE DESC: Students are assigned to an instructional class that focuses on the teaching of English to speakers of other languages (TESOL) for a supervised practicum experience. Graded pass/unsatisfactory. COLLEGE: College of Ed & Human Services CRED HR: 1 VAR CRED RANGE: - GRADE SYS: LEVEL: Undergraduate COURSE TYPE: Independent Study QTR EQUIV: ED 460</p> <hr/> <p>VERSION: REV COURSE: ED4610 - Practicum in Teaching English as a Second Language STUDENT REC TITLE: Practicum: TESOL EFFECTIVE: Fall 2012 COURSE DESC: Candidates holding a valid teaching license, under direct supervision of an experienced classroom teacher, are assigned to a school for intensive teaching experience in grades K-12 in Teaching English as a Second Language (TESOL). COLLEGE: College of Ed & Human Services CRED HR: 4 VAR CRED RANGE: 0 - 0 GRADE SYS: P LEVEL: Undergraduate COURSE TYPE: Internship REP HRS: 8 REP TIMES: 0 QTR EQUIV: ED 460</p>



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<p>7684 STATUS: Process CREATOR: Melissa Rubins CREATED: 4/5/11 IN-PROCESS: 5/19/11 WorkFlow</p>	<p>VERSION: REV COURSE: EDS4400 - Collaboration for Differentiation STUDENT REC TITLE: Collab for Differentia EFFECTIVE: Fall 2012 COURSE DESC: Co-teaching models with emphasis on differentiation, integration of academic instruction/behavior management; collaborative consultation and communication strategies to enhance instruction for those with exceptional learning needs. Field experiences required. Integrated Writing course. COLLEGE: College of Ed & Human Services CRED HR: 3 VAR CRED RANGE: 0 - 0 WRIT INT: Y GRADE SYS: S LEVEL: Undergraduate COURSE TYPE: Lecture REP HRS: 0 REP TIMES: 0 RESTRICTION: Must be enrolled in the following program: BSED in Middle Childhood Intervention Specialist SEM PREREQ: EDS 2720 QTR EQUIV: EDS 440</p>



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<p>7686 STATUS: Process CREATOR: Melissa Rubins CREATED: 4/5/11 IN-PROCESS: 5/19/11 WorkFlow</p>	<p>VERSION: REV COURSE: EDS4460 - Impact on Student Learning STUDENT REC TITLE: Impact on Student Lrng EFFECTIVE: Fall 2012 COURSE DESC: Integrating assessment based intervention strategies within inclusion setting to impact the learning of students with exceptional learning needs. Field experiences required. Integrated Writing course. COLLEGE: College of Ed & Human Services CRED HR: 3 VAR CRED RANGE: 0 - 0 WRIT INT: Y GRADE SYS: S LEVEL: Undergraduate COURSE TYPE: Lecture REP HRS: 0 REP TIMES: 0 RESTRICTION: Must be enrolled in the following program: BSED in Middle Childhood Intervention Specialist SEM PREREQ: EDS 2720 QTR EQUIV: EDS 446</p>



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<p>7777 STATUS: Process CREATOR: Kindra Ropp CREATED: 5/23/11 IN-PROCESS: 5/25/11 WorkFlow</p>	<p>VERSION: CURR COURSE: OL301 - Professional Skills In Organizational Leadership STUDENT REC TITLE: Organization Leadership EFFECTIVE: Fall 2011 COURSE DESC: Within a structured, coherent framework, the course will develop necessary skills in networking, communication and presentation skills. The course includes a survey of related technology and will include internet and electronic mail communication. COLLEGE: College of Ed & Human Services CRED HR: 4 VAR CRED RANGE: - GRADE SYS: LEVEL: Undergraduate COURSE TYPE: Lecture QTR EQUIV: OL 301</p> <hr/> <p>VERSION: REV COURSE: OL2010 - Self as Leader STUDENT REC TITLE: Self as Leader EFFECTIVE: Fall 2012 COURSE DESC: Introduction to leadership skills: an understanding of the personal, professional, and communication skills and dispositions necessary for effective leadership in any organizational setting. COLLEGE: College of Ed & Human Services CRED HR: 3 VAR CRED RANGE: 0 - 0 GRADE SYS: S LEVEL: Undergraduate COURSE TYPE: Lecture/Lab Combination REP HRS: 0 REP TIMES: 0 RESTRICTION: Must be enrolled in one of the following classifications: Sophomore, Junior or Senior QTR EQUIV: OL 301</p>



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<p>1944 STATUS: Process CREATOR: Helen Devore CREATED: 1/28/10 IN-PROCESS: 5/19/11 WorkFlow</p>	<p>VERSION: CURR COURSE: RHB303 - Strategies for Employing Persons with Disabilities STUDENT REC TITLE: Employing Pers w/Disab EFFECTIVE: Spring 2010 COURSE DESC: Overview of job development and job placement techniques. Various methods to access the job market through job seeking skills, resume preparation, occupational information, and job analysis are discussed. Attention is given to attitudinal and architectural barriers that people with disabilities may encounter in their job search process. COLLEGE: College of Ed & Human Services CRED HR: 4 VAR CRED RANGE: - GRADE SYS: LEVEL: Undergraduate COURSE TYPE: Lecture RESTRICTION: Must be enrolled in one of the following Classifications: Senior Junior QTR PREREQ: RHB 201, RHB 301 QTR EQUIV: RHB 303</p> <hr/> <p>VERSION: REV COURSE: RHB3030 - Employment of People with Disabilities STUDENT REC TITLE: Employ People Disability EFFECTIVE: Fall 2012 COURSE DESC: Overview of career development and placement techniques. Various methods of accessing the career market, occupation information, and various strategies used to assist people in becoming employed. COLLEGE: College of Ed & Human Services CRED HR: 3 VAR CRED RANGE: 0 - 0 GRADE SYS: S LEVEL: Undergraduate COURSE TYPE: Lecture REP HRS: 0 REP TIMES: 0 RESTRICTION: Must be in one of the following classifications: Junior or Senior SEM PREREQ: RHB 2010, RHB 3010 QTR PREREQ: RHB 201, RHB 301 QTR EQUIV: RHB 303</p>



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<p>1951 STATUS: Process CREATOR: Helen Devore CREATED: 1/28/10 IN-PROCESS: 5/19/11 WorkFlow</p>	<p>VERSION: CURR COURSE: RHB305 - Substance Abuse: Societal and Human Issues STUDENT REC TITLE: Sub Abuse:Soc & Hum Iss EFFECTIVE: Spring 2010 COURSE DESC: Provides an overview of the social, cultural, and psychophysiological effects of substance abuse. Emphasis is on alcoholism and other popular mind-altering drugs. COLLEGE: College of Ed & Human Services CRED HR: 4 VAR CRED RANGE: - GRADE SYS: LEVEL: Undergraduate COURSE TYPE: Lecture RESTRICTION: Must be enrolled in one of the following Classifications: Senior Junior QTR PREREQ: RHB 201, RHB 301 QTR EQUIV: RHB 305</p> <hr/> <p>VERSION: REV COURSE: RHB3050 - Addictions and Applications STUDENT REC TITLE: Addictions & Application EFFECTIVE: Fall 2012 COURSE DESC: Provides an overview of the historical, attitudinal, social-cultural, and psycho-physiological impact of addictions. Special attention given to emerging abuse and dependency issues and interventions used to address them. COLLEGE: College of Ed & Human Services CRED HR: 3 VAR CRED RANGE: 0 - 0 GRADE SYS: 5 LEVEL: Undergraduate COURSE TYPE: Lecture REP HRS: 0 REP TIMES: 0 RESTRICTION: Must be in the following classifications: Junior or Senior SEM PREREQ: RHB 2010, RHB 3010 QTR PREREQ: RHB 201, RHB 301 QTR EQUIV: RHB 305</p>



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
<p>446 STATUS: Process CREATOR: Patricia Fox CREATED: 11/22/09 IN-PROCESS: 5/20/11 WorkFlow</p>	<p>VERSION: CURR COURSE: SCM460 - Supply Chain Sourcing STUDENT REC TITLE: Supply Chain Sourcing EFFECTIVE: Fall 2010 COURSE DESC: This course covers the nature of sourcing in modern organizations, how sourcing executes business strategy, legal aspects of sourcing including agency role and types of contracts, and negotiation principles. COLLEGE: Raj Sooin College of Business CRED HR: 4 VAR CRED RANGE: - GRADE SYS: LEVEL: Undergraduate COURSE TYPE: Lecture QTR PREREQ: SCM 307 QTR EQUIV: SCM 460</p> <hr/> <p>VERSION: REV COURSE: SCM4600 - Supply Management STUDENT REC TITLE: Supply Management EFFECTIVE: Fall 2012 COURSE DESC: This course covers the nature of sourcing in modern organizations, how sourcing executes business strategy, legal aspects of sourcing including agency role and types of contracts, and negotiation principles. Integrated Writing course. COLLEGE: Raj Sooin College of Business CRED HR: 3 VAR CRED RANGE: 0 - 0 WRIT INT: Y GRADE SYS: 5 LEVEL: Undergraduate COURSE TYPE: Lecture REP HRS: 0 REP TIMES: 0 SEM PREREQ: SCM 3070 COREQ: SCM 4600W QTR PREREQ: SCM 307 QTR EQUIV: SCM 460</p>



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
3349 STATUS: Process CREATOR: Beth Kinsel CREATED: 5/20/10 IN-PROCESS: 5/19/11 WorkFlow	<p>VERSION: CURR COURSE: SW272 - Cultural Competence in a Diverse World STUDENT REC TITLE: Cultural Competency EFFECTIVE: Fall 2010 COURSE DESC: Introduction to the knowledge, skills and process required to develop cultural competency. Content covers the historical development of discrimination and the need for cultural competency within the U.S. and international communities. COLLEGE: College of Liberal Arts CRED HR: 4 VAR CRED RANGE: - GRADE SYS: LEVEL: Undergraduate COURSE TYPE: Lecture QTR EQUIV: SW 272</p> <hr/> <p>VERSION: REV COURSE: SW2720 - Multicultural Competence in a Diverse World STUDENT REC TITLE: Cultural Competency EFFECTIVE: Fall 2012 COURSE DESC: This course provides an introduction to the methods of inquiry in the social sciences used to develop the knowledge and skills required to work and relate in a multicultural world. Content covers the historical development of discrimination in the U.S. and the need for multicultural competency to be an engaged and informed citizen in a democratic society. COLLEGE: College of Liberal Arts CRED HR: 3 VAR CRED RANGE: 0 - 0 GEN ED: Y WRIT INT: Y GRADE SYS: S LEVEL: Undergraduate COURSE TYPE: Lecture REP HRS: 0 REP TIMES: 0 QTR EQUIV: SW 272</p>



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
7249 STATUS: Process CREATOR: Jennifer Subban CREATED: 2/2/11 IN-PROCESS: 5/20/11 WorkFlow	VERSION: CURR COURSE: URS311 - Introduction to Urban Affairs STUDENT REC TITLE: Intro to Urban Affairs EFFECTIVE: Spring 2011 COURSE DESC: Interdisciplinary introduction to general field of urban affairs. Reviews idea of the city and meaning of urban life. COLLEGE: College of Liberal Arts CRED HR: 4 VAR CRED RANGE: - GRADE SYS: LEVEL: Undergraduate COURSE TYPE: Lecture QTR EQUIV: URS 311
	VERSION: REV COURSE: URS3000 - Foundations of Urban Affairs STUDENT REC TITLE: Fndns of Urban Affairs EFFECTIVE: Fall 2012 COURSE DESC: Interdisciplinary introduction to the field of urban affairs. Reviews ideas related to cities and the meaning of urban life. Integrated Writing course. COLLEGE: College of Liberal Arts CRED HR: 3 VAR CRED RANGE: 0 - 0 WRIT INT: Y GRADE SYS: S LEVEL: Undergraduate COURSE TYPE: Lecture REP HRS: 0 REP TIMES: 0 QTR EQUIV: URS 311



Course Inventory Process Tracking - Detail

*** Click on the WorkFlow button below to go to the Work Flow application

FORM	COURSE INFORMATION
7247 STATUS: Process CREATOR: Jennifer Subban CREATED: 2/2/11 IN-PROCESS: 5/20/11 WorkFlow	VERSION: CURR COURSE: URS450 - Ethics in Public Service STUDENT REC TITLE: Ethics in Public Serv EFFECTIVE: Spring 2011 COURSE DESC: Systematic development of ethics in public service, including individual roles and obligations, values, standards, and codes of conduct. COLLEGE: College of Liberal Arts CRED HR: 4 VAR CRED RANGE: - GRADE SYS: LEVEL: Undergraduate COURSE TYPE: Lecture QTR EQUIV: URS 450
	VERSION: REV COURSE: URS3300 - Ethics in Public Service STUDENT REC TITLE: Ethics in Public Serv EFFECTIVE: Fall 2012 COURSE DESC: Study of what constitutes ethical behavior in public service, and the ethical role of public service professionals. Integrated Writing course. COLLEGE: College of Liberal Arts CRED HR: 3 VAR CRED RANGE: 0 - 0 WRIT INT: Y GRADE SYS: S LEVEL: Undergraduate COURSE TYPE: Lecture REP HRS: 0 REP TIMES: 0 QTR EQUIV: URS 450

Academic Program Quarter to Semester Conversion and New Semester Program

College	Engineering and Computer Science
Department	Computer Science and Engineering
Degree (A.A. B.S., B.F.A., etc.) & Title	B.S. in Computer Science-Earth Environmental Science Concentration
Concentration, Track, Option, Specialization	n/a
Minor Program Title	n/a
Certificate Program Title	n/a

Quarter System Program	Hours
I. General Education	40
Area I – Communication and Mathematical Skills ENG 101 – Composition I ENG 102 – Composition II Mathematics (satisfied by Math/Stat section)	8
Area II – Cultural-Social Foundations	8
Area III – Human Behavior	8
Area IV – Human Expression	4
Additional courses from Areas II, III, and IV	8
Area V – Natural Sciences Satisfied by required Laboratory Science Sequence EES 251, EES 252, EES 253	4
Area VI – College Component Select any Area VI College of Liberal Arts course	4
II. Computer Science and Engineering Courses	86
A. Required Computer Science Courses CS 240 Computer Programming I CS 241 Computer Programming II CS 242 Computer Programming III CS 400 Data Structures and Algorithms CS 405 Introduction to Database Management Systems CS 415 Social Implications of Computing CS 466 Introduction to Formal Languages CS 480 Comparative Languages	31
B. Required Computer Engineering Courses CEG 233 Linux and Windows CEG 320 Computer Organization CEG 433 Operating Systems CEG 460 Introduction to Software Engineering	16
C. CS/CEG Electives At least 16 hours must be at the 400 level	36
D. Technical Communication EGR 335 Technical Communications	3

Semester System Program	Hours
I. Wright State Core	40
Communications (6 min): ENG 1100 (3) EGR 3350 (3) – Technical Communication for Engineers and Scientists	6
Mathematics (3 min): MTH 2300 (4)	4
Global Traditions (6 min): 6 hours	6
Arts/Humanities (3 min): 3 hours	3
Social Science (6 min): 6 hours	6
Natural Science (8 min): EES 2510(4), 2550(4)	8
Additional Core Courses (6 min) MTH 2310 Calculus II (4)	7
II. Computer Science and Engineering Courses	55
A. Required Computer Science Courses CS 1180 Computer Science I (4) CS 1181 Computer Science II (4) CS 3100 Data Structures and Algorithms (3) CS 3180 Comparative Languages (3) CS 4000 Social Implications of Computing (3) Select one of the following: CS 3200 Theoretical Foundations of Computing (3) or CS 3210 Logic for Computer Scientists (3)	20
B. Required Computer Engineering Courses CEG 2350 OS Concepts and Usage (4) CEG 3310 Computer Organization (4) CEG 4110 Introduction to Software Engineering (3) CEG 4350 OS Internals and Design (3)	14
C. CS/CEG Electives At least 12 hours must be at the 4000 level	21

III. Mathematics and Science Courses	45
A. Required Mathematics/Statistics Courses	24
MTH 229 Calculus I	
MTH 230 Calculus II	
MTH 231 Calculus III	
MTH 253 Matrix Algebra	
MTH 257 Discrete Mathematics	
STT 363, STT 360, or ISE 301 Statistics	
B. Required Laboratory Science Sequence	13.5
GL 251/252, 253/254, 255/256	
C. Science and Mathematics Electives	
There must be a total of at least 21 hours in areas B and C. This total must include at least 18 hours of natural science courses.	
	5-9
IV. Earth Environmental Study Concentration	20
Required Electives: 3 courses from one or more of the 3 tracks (required course for each track in bold):	
<u>Exploration Seismology</u>	
EES 422 Intro to Applied Geophysics	5
EES 423 Seismic methods	4
EES 437 Subsurface Dig. Imaging & Proc	4
EES 438 Seismic interpretation	3
<u>Environmental Sciences</u>	
EES 454 Ground Water Flow and Transport	4
EES 499 Spec problems: Adv ground water	1-3
EES 499 Spec problems: Aquifer test analysis	1-3
EES 499 Spec problems: Grwater flow modeling	1-3
EES 455 Hydrogeochemistry	4
<u>Geospatial Analyses</u>	
EES 430 Geologic & Env Application of GIS	4
EES 429 Geo and Env Appl of Remote Sensing	4
EES 499 Special problems: Env Analysis & Modeling with GIS	1-3
GEO 448 Adv Geographic Inform Science	5
V. GENERAL ELECTIVES (9-16 Hrs.)	
Electives may be from any area of study based on policy guidelines. At least 191 credit hours total are required in the program.	
Total	191

III. Mathematics and Science Courses	14
A. Required Mathematics/Statistics Courses	9
MTH 2530 Elementary Linear Algebra (3)	
MTH 2570 Discrete Math for Computing (3)	
STT 3600 or ISE 2211 Statistics (3)	
B. Science and Mathematics Electives	
Additional courses in MTH, STT, CHM, BIO, PHY, or EES appropriate for science or engineering majors.	5
The total number of math and science credits must be 30 or more, including MTH 2300, MTH 2310, and the two lab science courses from the Wright State Core.	
IV. Earth Environmental Study Concentration	11
Required Electives: A minimum of 11 hours from the following tracks (required course for each track in bold).	
<u>Exploration Seismology</u>	
EES 4220 Intro to Geophysics & Lab	4
EES 4380 Seismic interpretation & Lab	4
EES 4370 Subsurface Dig. Imaging & Proc.	4
<u>Environmental Sciences</u>	
EES 4540 Ground Water Flow & Transport	4
EES 4550 Aqueous Environmental Geochemistry	4
EES 3600 Water, Wastewater, and Solid Waste	3
EES 3180 Water & the Environment	4
<u>Geospatial Analyses</u>	
EES 4300 Environmental Applications of GIS	3
EES 4290 Remote Sensing of Earth	3
EES 4340 Mapping Methods	2
GEO 4440 - Advanced GIS Apps	4
Note: EES 4990-Selected Topics may be applied to any of the tracks as approved by an advisor.	
Total	120

Notes:

**COLLEGE OF EDUCATION AND HUMAN SERVICES
EARLY CHILDHOOD EDUCATION**

College: Education & Human Services
 Department: Teacher Education
 Degree (A.A. B.S., B.F.A., etc.) & Title: Early Childhood Education
 Concentration, Track, Option, Specialization: Early Childhood Generalist Endorsement
 Minor Program Title:
 Certificate/Licensure Program Title:

Revised 2/7/2011

CURRENT QUARTER PROGRAM		
GENERAL EDUCATION		
Course #	Title	Hours

PROPOSED SEMESTER PROGRAM			
WSU CORE			
Course #	Title	Hours	
ED 3020	Principles, Practices, and Learning in Grades 4 a	3	
ED 3030	Reading and Language Arts Instruction in Social Studies for Grades 4 and 5	3	
ED 3050	Effective Science Instruction for Grades 4 and 5	3	
ED 3070	Effective Mathematics Instruction for Grades 4 and 5	3	

Total Hours: 12