

**Curriculum Change Form**  
 (Present only one proposed curriculum change per form)  
 (Complete only the section(s) applicable.)

**Part I**

(Check one)	Department Name	<u>Computer Science</u>
<input type="checkbox"/> New Course (Parts II, IV)	College	<u>Arts and Sciences</u>
<input type="checkbox"/> Course Revision (Parts II, IV)	*Course Prefix & Number	_____
<input type="checkbox"/> Course Dropped (Part II)	*Course Title (30 characters)	_____
<input type="checkbox"/> New Program (Part III)	*Program Title	<u>MS in Applied Computing</u>
<input checked="" type="checkbox"/> Program Revision (Part III)	(Major <u>  x  </u> , Option <u>  </u> ; Minor <u>  </u> ; or Certificate <u>  </u> )	
<input type="checkbox"/> Program Suspended (Part III)	*Provide only the information relevant to the proposal.	

Proposal Approved by:	<u>Date</u>		<u>Date</u>
Departmental Committee	<u>3/3/08</u>	Graduate Council*	<u>05/05/08</u>
<i>Is this a SACS Substantive Change?</i>	Yes*** <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
College Curriculum Committee	<u>3/24/08</u>	Council on Academic Affairs	<u>  </u>
General Education Committee*	<u>NA</u>	Approved <u>  X  </u> Disapproved <u>  </u>	<u>06/19/08</u>
Teacher Education Committee*	<u>NA</u>	Faculty Senate**	<u>Pending</u>
		Board of Regents**	<u>Pending</u>
		Council on Postsecondary Edu.***	<u>NA</u>

\*If Applicable (Type NA if not applicable.)  
 \*\*Approval needed for new, revised, or suspended programs  
 \*\*\*Approval/Posting needed for new degree program or certificate program  
 \*\*\*\*If "yes", SACS must be notified before implementation. Please contact EKU's Office of Institutional Effectiveness.

**Completion of A, B, and C is required: (Please be specific, but concise.)**

**A. 1. Specific action requested:** (Example: To increase the number of credit hours for ABC 100 from 1 to 2.)  
 Modify the software engineering option, and update the electives.

**A. 2. Effective date:** (Example: Fall 2001)  
 Spring 2009

**A. 3. Effective date of suspended programs for currently enrolled students:** (if applicable)

**B. The justification for this action:**

Update the software engineering option to include a greater emphasis on security, and include a database course as part of the core. Since this involved the creation of a few new courses, these were added to the list of electives. We also changed the wording of the number of hours to match how our graduate advisor actually checks the student's transcript.

**C. The projected cost (or savings) of this proposal is as follows:**

**Personnel Impact:**  
 None

**Operating Expenses Impact:**  
 None

**Equipment/Physical Facility Needs:**  
 None

**Library Resources:**  
 None

**Part III. Recording Data for New, Revised, or Suspended Program**

1. For a new program, provide the catalog description as being proposed.
2. For a revised program, provide the current program requirements using ~~striketrough~~ for deletions and underlines for additions.
3. For a suspended program, provide the current program requirements as shown in catalog. List any options and/or minors affected by the program's suspension.

New or Revised\* Program Text  
(\*Use ~~striketrough~~ for deletions and underlines for additions.)

**Master of Science  
Applied Computing**

**Core Requirements.....12 hours**

CSC 730, 745, 815, ~~831~~, 834

**Option in Software Engineering and Computer Security.....12 hours**

CSC 825, 831, 835, ~~two of CSC 720, 745, 746, and 750~~ one of CSC 744 or 738.

**Electives.....6 hours**

**Total Curriculum Requirements.....30 hours**

**Option in Business Computing.....12 hours**

CIS 815, 3 courses selected from ACC 820, ACC 850, CIS 860, FIN 824, Fin 850, CCT 850, and QMB 850

**Electives.....6 hours**

**Total Curriculum Requirements.....30 hours**

**Option in Industrial Computing.....12 hours**

INT 730, 801, 804, 805.

**Electives.....6 hours**

**Total Curriculum Requirements.....30 hours**

**Option in Bioinformatics\*.....24 hours**

CSC ~~745~~ 831, BIO 710 or STA 700, BIO 711, 801, 890, CECS 660 (Introduction to Bioinformatics at U of L), plus nine (9) credit hours at 800 level Bioinformatics research at U of L.

**Total Curriculum Requirements.....36hours**

**ELECTIVES**

Select 6 hours of electives from the following: ACC 820, ACC 850, BIO 710, 711, 801, 890, CCT 850, CIS 850, 870, CSC 720, 735, 738, 740, 744, ~~745~~, 746, 750, 812, 825, 831, 833, 835, 842, 860, 890, 895, ECO 854, INT 706, 730, 801, 804, 805, FIN 824, 850, MAT 706, 755, 806, 871, 872, MGT 850, QMB 850, STA 700, 701, 720, 721, 775, 785, 880, ETC 830, 867. Credit in a student's declared option does not apply toward the elective requirements. At least half of the ~~elective~~ total hours must be from 800 level courses. Also at least half of the ~~elective~~ total hours must be CSC courses.