

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

Part I

(Check one) <input type="checkbox"/> New Course (Parts II, IV) <input type="checkbox"/> Course Revision (Parts II, IV) <input type="checkbox"/> Hybrid Course ("S," "W") <input type="checkbox"/> Course Dropped (Part II) <input type="checkbox"/> New Program (Part III) <input checked="" type="checkbox"/> Program Revision (Part III) <input type="checkbox"/> Program Suspended (Part III)	Department Name <u>Computer Science</u> College <u>Arts & Sciences</u> *Course Prefix & Number _____ *Course Title (<u>30 characters</u>) _____ *Program Title <u>Computer Science BS</u> (Major <u> x </u> , Option <u> x </u> ; Minor <u> </u> ; or Certificate <u> </u>)	
*Provide only the information relevant to the proposal.		
Proposal Approved by:		
	<u>Date</u>	<u>Date</u>
Departmental Committee	10/2/09	Graduate Council* n/a
Is this a SACS Substantive Change? Yes**** <input type="checkbox"/> No <input checked="" type="checkbox"/>		
College Curriculum Committee		Council on Academic Affairs _____
General Education Committee*	n/a	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> FFBJBEJ
Teacher Education Committee*	n/a	Faculty Senate** _____
		Board of Regents** _____
		Council on Postsecondary Edu.*** n/a
*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.)

<p>A. 1. Specific action requested: (Example: To increase the number of credit hours for ABC 100 from 1 to 2.)</p> <p><u>Interactive Multimedia Option:</u> Improve the course timeline, and student success, by adding prerequisites to a number of courses. Modify the supporting courses to make better use of current interdisciplinary offerings across campus.</p> <p><u>Security Option:</u> Change option title to better reflect course offerings.</p> <p>A. 2. Effective date: (Example: Fall 2001)</p> <p>09 2010</p> <p>A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)</p>	
<p>B. The justification for this action:</p> <p>Much of the topics taught in the Interactive Multimedia courses require a solid programming and mathematical foundation. Therefore, we propose to add prerequisites which will require students to take the courses in the best order for their success. This requires some adjustment to the supporting courses which will be updated with new course offerings.</p> <p>Also, the field of Computer Security is undergoing numerous changes that are causing additional sub-topics of study to be introduced. This option title change will better reflect the option's current direction and future.</p>	
<p>C. The projected cost (or savings) of this proposal is as follows:</p> <p>Personnel Impact: n/a</p> <p>Operating Expenses Impact:</p> <p>n/a</p>	

Equipment/Physical Facility Needs:

n/a

Library Resources:

n/a

Part II. Recording Data for New, Revised, or Dropped Course(For a **new required course**, complete a separate request for the appropriate program revisions.)

1. For a new course, provide the catalog text.
2. For a revised course, provide the current catalog text with the proposed text using ~~strikethrough~~ for deletions and underlines for additions.
3. For a dropped course, provide the current catalog text.

New or Revised* Catalog Text

(*Use ~~strikethrough~~ for deletions and underlines for additions. Also include Crs. Prefix, No., and description, limited to 35 words.)**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 ~~strikethrough~~ 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 ~~strikethrough~~ for deletions and underlines for additions.)**Computer Science (B.S.)***CIP Code: 11.0101***Major Requirements.....30-48 hours****Computer Science Core.....24 hours**CSC 185, 190, 191, 195, 310, 340, and two of CSC 300, ~~303, 304~~, 313, 315, 316, 320, 330, 350, 370, 390, 400, 425, 440, 460, 490, 491, 520, 538, 540, 544, 545, 546, and 550 that are not used for credit in the option.**Options****Computer Science (General) 24 hours***(Accredited by the Computer Science Accreditation Commission of ABET) CSC 200, 320, 330, 370, 400, 440, 460, and 545.***Computer Technology.....12 hours**

CSC 200, 330, 370, 440, 460, one of CSC 313 or 545; and 3 hours of CSC 349.

Bioinformatics.....6 hours

One of CSC 303 or 520; one of CSC 313 or 545.

Interactive Multimedia24 hoursCSC ~~420, 440, 250, 303, 304~~, 313, 315, 316, 330, 491, ~~520, 550~~, and one of 520 or 555.**Computer Forensics and Security.....21 hours**

CSC 200, 313, 330, 370, 538, 544, and one of CSC 400 or 460.

Supporting Course Requirements.....30-55 hours**Computer Science (General).....31-35 hours**

EET 252; MAT 124* or 124H; 214; 224 or 224H; STA270. One of the following two plans: Plan 1: One sequence from

Biological lab science

courses (BIO 121, 131; or BIO 121, 141); and any two additional courses taken from CHE 111/115, 112/116, GLY 108, 109, PHY 131, 132, 201, or 202.

Plan 2: One sequence from Physical lab science courses (CHE 111/115, 112/116; GLY 108, 109; or PHY 201, 202); BIO 121;

and one additional course from CHE 111/115, 112/116, GLY 108, 109, PHY 131, 132, 201, 202, or any 200 level or above science course that counts

toward a science major.

Computer Technology.....30-31 hours

EET 251, 252, 253, 254, 302, 303, 343, 351, and 354; one of MAT 124*, 124H, 211*, or 261*.

Bioinformatics.....55 hours

BIO 121, 315, 331, 348, 511, 533; 3 hours of BIO 598; 3 hours of BIO 349; CHE 111/115, 112/116, 330, 361, 362; MAT 124* or 124H; STA 270, 320.

Interactive Multimedia	34-35-42 hours
COM 200; EET 252; MKT 301 ; MUS 290; STA 270; two of ART 200, ARH 390 or 391; MAT 124* , or 124H, 211* , or 261* ; PHY 134 or 201; one of ART 100, TEC 190, or 255 , 313, or 355; MAT 214* , 214H, or 3 credits from COM 320A-I; <u>MAT 224</u> or 224H; MKT 301.401 or MGT 301.465 or GEO 353.553;	
Computer Forensics and Security	28 hours
APS 110, 438; EET 252, 303, 343, 354; one of MAT 124* or 124H; PLS 220, 208 408.	
General Education Requirements	30-45 hours
Computer Science (General)	30 hours
Standard General Education program, excluding blocks II, IVA, IVB, VII (NS), and VIII (6 hours). Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
Computer Technology	45 hours
Standard General Education program, excluding block II. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University requirements.	
Bioinformatics	33 hours
Standard General Education program, excluding blocks II, IVA, IVB, and VIII (6 hours). Refer to Section Four of this <i>Catalog</i> for details on the General Education and University Requirements.	
Interactive Multimedia	33 hours
Standard General Education program, excluding blocks II, IIIA, IVB, and VII (6 hours). Refer to Section Four of this <i>Catalog</i> for details on the General Education and University Requirements.	
Computer Forensics and Security	45 hours
Standard General Education program, excluding block II. Refer to Section Four of this <i>Catalog</i> for details on the General Education and University Requirements.	
University Requirement	1 hour
ASO 100.	
Free Electives	64- 18 hours
Computer Science (General)	14-18 hours
Computer Technology	6-7 hours
Bioinformatics	9 hours
Interactive Multimedia	11-12-4 hours
Computer Forensics and Security	9 hours
Total Curriculum Requirements	128 hours