Division of Computer Science is proposing a Certification in Cyber Security. A student can get a KSU certification by completing 12-13 credits hours from the security courses.

I. Dean's Action:
☑ Approved ☐ Disapproved ☐ Returned for Recommended Change
(Signature) Date: 3/25/13

II. Curriculum Committee Action:
☑ Approved ☐ Disapproved ☐ Returned for Recommended Change
Chairperson: (signature): Date: 3/26/13

III. Faculty Senate Action:
☑ Approved ☐ Disapproved ☐ Returned for Recommended Change
Senate President (signature): Date: 3/28/13

IV. Provost/Vice President Academic Affairs (not required for courses):
☑ Approved ☐ Disapproved ☐ Returned for Recommended Change
Provost/VPAA (Signature): Date: 4/16/13

V. President's Action (not required for courses):
☑ Approved

*Kentucky State University is an equal educational and employment opportunity/affirmative action institution*
☑ Approved  ☐ Disapproved  ☐ Returned for Recommended Change

President (Signature): [Signature]  Date: 4/18/13
New Certificate in Information Security Proposal

The division of Computer Science is proposing a new certificate program in Information Security. This certificate can be completed by any person without any computer science background by taking 12-13 credit hours. These courses are same as that in our information security option and thus, no additional courses need to be created.

Everyone is required to take the following courses which will be prerequisite to other courses in the certificate:

   COS 281 - Introduction to Inform Security & Assurance (3 Credits)

Three (3) other courses may be selected from the following four (4) courses:

   COS 334 - Cyber Forensics
   COS 332 - Management of Information Security & Assurance
   COS 435 - Advanced Topics in Cyber Security
   COS 484 - Introduction to Network Security

After completing the requirements everyone will get a KSU Certificate in Information Security.

Rationale:

As evident from the current market, cyber security is very important for government & corporate sectors. Additionally, we are living in the age of cloud computing where every bit of information is in the cloud and is in danger of being manipulated for wrong reasons by unauthorized people. Certification in security is more sought for in the industry at it prepares a student with the required professional skills in securing devices for an organization. This certificate program integrates technical knowledge and policy understanding required to develop and implement a robust security in place for an organization. This program will help us in attracting more students who need certification to join cyber security workforce as it concentrate only on security through four hands on courses we offer.

We feel that this certificate will very attractive to people with any background and who is related to Government (FBI, Homeland Security, CIA), Corporates, local community, and others.
We plan to offer these courses online so that these are also available to non-commuters and foreign nationals.

No additional resources are required as we have the faculty to teach them and these courses are being created for our Information Security option.

**KSU Certification Mapping with the Professional Certifications**

<table>
<thead>
<tr>
<th>Computer Science Course</th>
<th>Professional Certification</th>
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</thead>
<tbody>
<tr>
<td>COS 281 &amp; COS 332</td>
<td>INFINIDOX or CISM</td>
</tr>
<tr>
<td>COS 334</td>
<td>CCE, CCFE, SANS</td>
</tr>
<tr>
<td>COS 484</td>
<td>CompTIA Network+</td>
</tr>
<tr>
<td>COS 281 &amp; COS 484</td>
<td>CompTIA Security+ or CISSP (Extra work required)</td>
</tr>
<tr>
<td>COS 435</td>
<td>Support course for these certifications</td>
</tr>
</tbody>
</table>