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**Bulletin / Banner Change Transmittal Form**

[x]  **Undergraduate Curriculum Council** Print 1 copy for signatures and save 1 electronic copy.

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| --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**COPE Chair (if applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Department Chair:**  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**General Education Committee Chair (If applicable)**   |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Undergraduate Curriculum Council Chair** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Graduate Curriculum Committee Chair** |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Vice Chancellor for Academic Affairs** |

**1.Contact Person** (Name, Email Address, Phone Number)

Dr. Jollean Sinclaire, jsinclaire@astate.edu, 3990

**2.Proposed Change**

Place addition courses in the required list for the Bachelor of Science in Computer & Information Technology Degree and remove elective list. Also, change frequency of offering for those course now required.

**3.Effective Date**

8/15/2016

**4.Justification –** *Please provide details as to why this change is necessary.*

After feedback was received from our CIT Advisory Committee, the faculty conducted additional research in the area of CIT undergraduate curriculum at peer and aspirant institutions. We found that there was supporting evidence to follow the recommendation of our advisory group by building a ‘full stack’ approach in the required courses and reducing the electives. This proposed change reflects a narrower, yet deeper focus into important topics within our field, providing our students with a more in-depth exposure to the knowledge most desired by our graduate’s prospective employers.

On page 139 of the current bulletin, under the heading “Major Requirements”:

CIT 2033, Programming Fundamentals 3

CIT 2523, Telecommunications and Networking Essentials 3

CIT 3033, Intermediate Programming 3

CIT 3353, Mobile and Web Development 3

CIT 3403, Database Management 3

CIT 3413, Advanced Database Management 3

CIT 3603, Systems Analysis and Design (new course) 3

CIT 4453, Global eCommerce 3

CIT 4523, Advanced Network Telecommunications 3

CIT 4623, Computer Security 3

CIT 4653, Data Capture 3

CIT 4853, IT Project Management 3

~~Select five of the following: 15~~

 ~~CIT 3033, Intermediate Programming~~

 ~~CIT 3353, Mobile and Web Applications Development~~

 ~~CIT 3413, Advanced Database Management~~

 ~~CIT 3623, LAN Administration~~

 ~~CIT 3663, Data Mining~~

 ~~CIT 3853, Computer Forensics~~

 ~~CIT 409V, Special Problems in CIT~~

 ~~CIT 4523, Advanced Network Telecommunications~~

 ~~CIT 4623, Computer Security~~

 ~~CIT 4863, Special Topics in CIT~~

 ~~CIT 4883, Internship in CIT~~

Sub-total 3~~3~~6

Electives ~~10~~ 7

Total Required Hours: 120

On pages 413 – 414 of the current bulletin, change the rotation of the following classes:

**CIT 3353. Mobile and Web Applications Development.** Development of web and mobile ap­plications from design to deployment. Includes markup, client-side and server side, stylesheet, and related languages, as well as associated development technologies. Prerequisite, programming course with a grade of C or better. Fall~~, even~~.

**CIT 4523. Advanced Network Telecommunications** This course builds on the fundamental concepts covered in CIT 2523 by extensive coverage of major topics that include routing protocols, wireless LAN infrastructure, internetworking hardware, TCP/IP subnetting, VLANs, and network security. Prerequisite, CIT 2523. ~~Summer~~. Fall

**CIT 4623. Computer Security** Discusses the primary topics of computer security needed by IT professionals in both commercial and military installations. Includes access control, cryptography, continuity planning, physical security, and the overall management of security issues. Spring~~, odd~~.