College of Science, Technology, Engineering & Math -YSU
Bachelor of Science in Applied Science (BSAS) degree
Major: Information Technology (IT) – E-Commerce Option
(Effective Fall 2013)

Department of
Computer Science & Information Systems
Dr. Kriss A. Schueller, Chair
Meshel Hall, Room 339
(330) 941-3134; fax (330) 941-2284
http://www.csis.ysu.edu/

Requirements for Graduation:

____ GER model complete
____ 63-66 sh in major (includes support courses)
____ Min 18 sh in minor
____ Support courses complete
____ 48 sh of upper division (3700+)
____ Min. of 124 + total sh
____ Residency requirement (transfer students only)
____ Min. of a 2.00 overall GPA

____ By 85 sh a request for “graduation evaluation” MUST be made with the Academic Advising Center in Moser Hall, Room 2325

____ Meet w/your dept. chair after graduation evaluation is complete

Consult the GER website or your advisor for the list of courses meeting GERs:
http://web.ysu.edu/ger

Advisement for the IT major

PRE – IT:
Students are initially advised from the Academic Advising Center, College of Science, Technology, Engineering, & Mathematics (STEM) in Moser Hall, 2nd floor, until they have completed the following requirements: English 1539/1540; Math 1507; CSIS 1590 or 2605/2610 with a “B” or higher; overall GPA of 2.00.

Once students have met the above requirements they can transfer their major from “Pre IT” to IT and meet with an advisor in Meshel Hall.

Consult the GER website or your advisor for the list of courses meeting GERs: www.ysu.edu/ger

Engl 1550 | Writing I (CRPT) | 3
Engl 1551 | Writing II (Engl 1550) | 3
Cmst 1545 | Comm Theory & Practice (eligibility to take Engl 1550) | 3
Math 1552 | Applied Math for Management (prerequisite Math 1507 or Level 4 on MPT) | 4
Math 1570 | Applied Calculus I (prerequisite Math 1513 or Level 5 on MPT) | 4
Math 1571 | Calculus I (prerequisite Math 1513 or Level 7 on MPT) | 4

Natural Sciences (NS) 2 courses

Arts & Humanities (AH) - 2 courses

Social Science (SS) - 2 courses

Social &Personal Awareness (SPA) – 2 courses

GER Elective
1 course from any of the above domains: 3 s.h.

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- Consult the GER website or your advisor for the list of courses meeting GERs: www.ysu.edu/ger
- Engl. 1550 & 1551 must be completed by 62 SH.
- Placement exam in English and Math required before registration of classes. (Foreign Language placement test is optional.)
- MATH 1500, 1501, 1502, 1503, 1504, 1507,1508 ENGL 1509, 1512, 1539, 1540, RSS 1510A, B & C. STEM 1511 & CHEM 1501 are remedial and will not count toward graduation total hours.
- A grade of “C” or better is required in the Major and Minor and support courses. Credit/NC Option not permitted in Major/Minor
- Upper division courses have a catalog number of 3700 and above.
- Classes taken and/or repeated out of sequence will not count toward graduation. Check prerequisites.
- Residency rule states that the last 30 SH must be completed at YSU; 16 SH in major and 21 SH in Upper Division at YSU.
- Request for senior evaluation form must be filed by 85 SH
# Information Technology Systems - BSAS
## Ecommerce Option

### Required courses for IT (63-66 sh)

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<thead>
<tr>
<th>Dept</th>
<th>Cat. #</th>
<th>Course Description</th>
<th>sh</th>
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<tbody>
<tr>
<td>CSIS</td>
<td>1525</td>
<td>Survey of Modern Operating Systems (CSIS 1500)</td>
<td>3</td>
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<tr>
<td>CSIS</td>
<td>1590</td>
<td>Survey of Computer Science &amp; Info Systems (Math 1507 or Level 4 on placement)</td>
<td>3</td>
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</tr>
<tr>
<td>CSIS</td>
<td>1595</td>
<td>Fundamentals of Programming &amp; Problem Solving 1 (CSIS 1590 or MATH 1507)</td>
<td>3</td>
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<tr>
<td></td>
<td>2605</td>
<td>Fundamentals of Programming &amp; Problem Solving 1 (CSIS 1595 or concurrent MATH 1513 or 1552 or Lvl 5 on MPT)</td>
<td>3</td>
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<tr>
<td></td>
<td>2610</td>
<td>Programming &amp; Problems Solving (Math 1513 or Level 5 on MPT)</td>
<td>4</td>
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<tr>
<td>CSIS</td>
<td>3722</td>
<td>Development of Databases (CSIS 1590)</td>
<td>3</td>
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<tr>
<td>CSIS</td>
<td>3723</td>
<td>Networking Concepts &amp; Administration (CSIS 1595 or CSIS 2610)</td>
<td>3</td>
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<td></td>
<td>3782</td>
<td>Cisco Networking Academy I (CSIS 1590 and either CSIS 2605 or 2610) By permit only.</td>
<td>4</td>
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<tr>
<td>CSIS</td>
<td>2660</td>
<td>Foundations of Electronic Commerce (CSIS 1590)</td>
<td>3</td>
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<tr>
<td>CSIS</td>
<td>3755</td>
<td>Information Assurance (CSIS 1590)</td>
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<tr>
<td>CSIS</td>
<td>3760</td>
<td>Electronic Programming (CSIS 2605 or CSIS 2610)</td>
<td>3</td>
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<tr>
<td>CSIS</td>
<td>3761</td>
<td>Electronic Commerce Strategies (CSIS 2660 and IT 2663)</td>
<td>3</td>
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<td>INFO</td>
<td>2663</td>
<td>IT Management (CSIS 1590)</td>
<td>3</td>
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<td>INFO</td>
<td>3704</td>
<td>Business Communication (Engl 1551)</td>
<td>3</td>
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<td>INFO</td>
<td>3774</td>
<td>Multimedia Technology (CSIS 1590)</td>
<td>4</td>
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<td>INFO</td>
<td>3776</td>
<td>Web Site Development (INFO 3774)</td>
<td>4</td>
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<td>INFO</td>
<td>4880</td>
<td>Information Technology Analysis &amp; Design (CSIS 3722; CSIS 3723 or 3782)</td>
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### Required Electives (15sh)

At least 15 sh of upper division Departmental courses.
(In addition to the above courses.)

### Minor Courses

Minors are listed in the Undergraduate Bulletin-minimum of 18sh (6 sh must be upper division) unless otherwise stated by the Department

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### Electives (needed to meet the minimum of 124 sh total)

At least 15 sh of upper division Departmental courses.
(In addition to the above courses.)

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### Remedial Course Work

(Will not be counted toward graduation hours)

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### Notes:

- Select required upper division electives from:
  - Any 37xx, 48xx, or 58xx CSIS or INFO courses.
  - Any 48xx or 58xx CIS or CSCI courses.
  - Any course with PRIOR written approval.