

**College of Science, Technology, Engineering & Math -YSU**  
**Bachelor of Science in Applied Science (BSAS) degree**  
**Major: Information Technology (IT)**  
**(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
- \_\_\_\_\_ 63-67 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

*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, 2<sup>nd</sup> floor, until they have completed the following requirements: English 1539/1540; Math 1500/1501/1507; CSIS 1590 or 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.

<b>General Education Requirements (GER)</b>				
Dept	Catalog	Course Description	s.h	Grade
Engl	1550	Writing I	3	
Engl	1551	Writing II (ENGL 1550)	3	
<b> </b>				
Cmst	1545	Comm. Theory & Practice (eligibility to take ENGL 1550)	3	
<b> </b>				
Math	1552	Applied Math for Management (prerequisite Math 1507 or Level 4 on MPT)	4	
or				
Math	1570	Applied Calculus 1 (prerequisite Math 1513 or Level 5 on MPT)	4	
or				
Math	1571	Calculus I (prerequisite Math 1513 or Level 7 on MPT)	4	
<b> </b>				
<b>Natural Sciences (NS) - 2 courses</b>				
<b> </b>				
<b>Arts &amp; Humanities (AH) - 2 courses</b>				
<b> </b>				
<b>Social Science (SS) - 2 courses</b>				
<b> </b>				
<b>Social &amp; Personal Awareness (SPA) – 2 courses</b>				
<b> </b>				
<b>GER Elective</b>				
<b>1 course from any of the above domains: 3 s.h.</b>				

*Consult the GER website or your advisor for the list of courses meeting GERs:*

<http://web.ysu.edu/ger>

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

<b>Required courses for IT (63-67 sh)</b>				
Dept.	Cat. #	Course Description	sh	gr
CSIS	1525	Survey of Modern Operating Systems (CSIS 1500)	3	
CSIS	1590	Survey of Computer Science & Info Systems (Math 1507 or Level 4 on placement)	3	
CSIS	1595	Fundamentals of Programming & Problem Solving 1 (CSIS 1590 or MATH 1507)	3	
	and 2605	Fundamentals of Programming & Problem Solving 1 (CSIS 1595 or concurrent MATH 1513 or 1552 or Lvl 5 on MPT)	3	
	or 2610	Programming & Problems Solving (Math 1513 or Level 5 on MPT)	4	
CSIS	2699	CSIS Internship (Sophomore in good standing & permission of coordinator)	1-3	
	or 4893	CSIS Advanced Internship (16 sh of dept courses/3 UD & permission of internship supervisor)	2-4	
CSIS	3720	System Configuration & Maintenance (CSIS 1590)	3	
	or 3782	Cisco Networking Academy I (CSIS 1590 and either CSIS 2605 or 2610) By permit only.	4	
CSIS	3722	Development of Databases (CSIS 1590)	3	
CSIS	3723	Networking Concepts & Administration (CSIS 2605 or CSIS 2610)	3	
	or 3783	Cisco Networking Academy II (CSIS 3782)	4	
CSIS	3726	Visual/Object-Oriented Programming (CSIS 2610)	4	
CSIS	3755	Information Assurance (CSIS 1590)	3	
INFO	2663	IT Management (CSIS 1590)	3	
INFO or ENGL	3704	Business Communication (Engl 1551)	3	
	3743	Prof. & Tech. Comm. (Engl 1551)		
INFO	3774	Multimedia Technology (CSIS 1590)	4	
INFO	3775	Multimedia Authoring (IT 3774)	4	
INFO	4880	Information Technology Analysis & Design (CSIS 3722; CSIS 3723 or 3782)	3	
<b>Required Electives (15sh)</b>				
At least 15 sh of <u>upper division</u> Departmental courses. (In addition to the above courses.)				
Dept.	Cat. #	Course Description	sh	gr
<b>Support Courses</b>				
STAT	2601	Introductory Statistics (MATH 1507 or level 40 on MPT)	3	

<b>Minor Courses</b>				
Minors are listed in the Undergraduate Bulletin-minimum of 18 sh (6 sh must be upper division) unless otherwise stated by the Department				
Dept	Cat. #	Course Description	sh	gr

<b>Electives (needed to meet the minimum of 124 sh total)</b>				
Dept	Cat. #	Course Description	sh	gr

<b>Remedial Course Work</b> (will not be counted toward graduation hours)				
Dept	Cat. #	Course Description	sh	gr

**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.