

**College of Science, Technology, Engineering & Math -YSU**  
**Bachelor of Science in Applied Science (BSAS) degree**  
**Major: Information Technology (IT) – Networking Option**  
**Effective 2012**

**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
- \_\_\_ 56-57 sh in major
- \_\_\_ 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; 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.

General Education Requirements (GER)				
Dept	Catalog	Course Description	sh	Grade
Engl	1550	Writing I	3	
Engl	1551	Writing II (ENGL 1550)	3	
<b>General Education Requirements (GER)</b>				
Cmst	1545	Comm. Theory & Practice (eligibility to take ENGL 1550)	3	
<b>General Education Requirements (GER)</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>General Education Requirements (GER)</b>				
<b>Natural Sciences (NS) - 2 courses</b>				
<b>Arts &amp; Humanities (AH) - 2 courses</b>				
<b>Social Science (SS) - 2 courses</b>				
<b>Social &amp; Personal Awareness (SPA) – 2 courses</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  
Networking Option**

<b>Required courses for IT (56-57 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 1501 or Level 3 on placement)	3	
CSIS	1560 or 2610	Basic Programming or Programming & Problems Solving (CSIS 1590)	3 4	
CSIS	3722	Development of Databases (CSIS 1590)	3	
CSIS	3782	Cisco Networking Academy I (CSIS 1590 and either CSIS 2610 or CSIS 1560)	4	
CSIS	3783	Cisco Networking Academy II (CSIS 3782)	4	
CSIS	5883	Remote Access and Multilayer Switched Networks (CSIS 3783)	4	
CSIS	5884	Building Scalable Networks and Advanced Internetwork Troubleshooting (CSIS 5883)	4	
INFOT	2663	IT Management (CSIS 1590)	3	
INFOT	3704	Business Communication (Engl 1550)	3	
INFOT	3774	Multimedia Technology (CSIS 1590)	4	
INFOT	4880	Information Technology Analysis & Design (CSIS 3722; CSIS 3723 or 3782)	3	
<b>Required Electives (15sh)</b>				
At least 15 sh of upper division IT, CSIS, CIS or CSCI courses. (In addition to the above courses.)				
<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 18sh (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.