

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

**Department of Computer Science &  
Information Technology**  
**Meshel Hall, Room 339B**  
**(330) 941-3134**  
<http://www.csis.ysu.edu/>

Requirements for Graduation:

- \_\_\_\_\_ GER model complete
- \_\_\_\_\_ Intensive requirements complete
- \_\_\_\_\_ Min. 62 sh in major\*\*
- \_\_\_\_\_ Support courses complete
- \_\_\_\_\_ Min. of 126♦ total sh
- \_\_\_\_\_ Residency requirement (transfer students only)
- \_\_\_\_\_ Min. of a 2.00 overall GPA
  
- \_\_\_\_\_ After 80-85 sh are complete request a “graduation evaluation” from the Division of Academic Advising in Moser Hall, Room 2315
  
- \_\_\_\_\_ 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 (CSTEM) 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	s.h	Grade
Engl	1550	Writing I (CRPT)	3	
Engl	1551	Writing II (Engl 1550)	3	
<b>Comst</b>				
	1545	Comm Theory & Practice (eligibility to take Engl 1550)	3	
<b>Math</b>				
or	2623	Survey of Math (Math 1501 or Level 3 on MPT)	3	
or	1552	Applied Math for Management (prerequisite Math 1507)	4	
or	1571	Calculus I	4	
<b>Natural Sciences (NS) 2-3 courses*</b>				
			4	
<b>Artistic &amp; Literary (AL) 2-3 courses*</b>				
<b>Societies &amp; Institutions (SI) 2-3 courses*</b>				
<b>Personal &amp; Social Responsibility (PS) 6 sh</b>				
<b>Selected Topics (ST): 3 s.h.</b>				

Consult the GER website or your advisor for the list of courses meeting GERs: <http://www.cc.ysu.edu/ger/GERlist.html>

Intensive Requirements:	Recommended:
Writing Intensive Course (W):	CSIS 3783
Writing Intensive Course (W):	INFOT 3704
Critical Thinking (T):	CSIS 3782
Critical Thinking: (T):	
Oral Intensive (O):	

**Important Notes:**

- Classes taken and/or repeated out of sequence will not count toward graduation. Check prerequisites.
- \* A total of eight courses must be taken in NS/AL/SI; with no more than three courses in any one category; hence, the pattern may be 2-3-3, 3-2-3, or 3-3-2.
- \*\* A grade of “C” or better is required in all major, minor, and support courses.
- ♦ The following courses do NOT count as hours towards graduation: Math 1500, Math 1501, Engl 1509, Engl 1512.

## Information Technology Systems – BSAS Database Option

Required courses for IT (min. 55 sh)				
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	Basic Programming	3	
	or 2610	or Programming & Problems Solving (CSIS 1590)	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	
CSIS	3722	Development of Databases (CSIS 1590)	3	
CSIS	3723	Networking Concepts & Administration (CSIS 1590)	3	
	or 3783	or Cisco Networking Academy II (CSIS 3782)	4	
CSIS	3732	Intranet Database Implementation (CSIS 3722 and CSIS 1560 or 2610)	3	
CSIS	3726	Visual/Object-Oriented Programming (CSIS 2610)	4	
CSIS	4822	Database Applications (CSIS 3722)	3	
CSCI	4890	Computer Project	2 - 4	
<b>Required Electives (15sh)</b>				
At least 15 sh of <u>upper level</u> IT, CSIS, CIS or CSCI.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				

Electives (needed to meet the minimum of 126 sh total) or Remedial Coursework ♦				
Dept	Cat. #	Course Description	sh	gr

Notes:

Important Notes:  
 - Classes taken and/or repeated out of sequence will not count toward graduation. Check prerequisites.  
 \*\* A grade of “C” or better is required in all major, minor, and support courses.  
 ♦ The following courses do NOT count as hours towards graduation: Math 1500, 1501, 1502, 1503, 1504, & 1507, Engl 1509, 1512, 1539 & 1540, and Reading and Study Skills 1510A and 1510B.