

**YSU College of Science, Technology, Engineering & Mathematics**  
**Associate in Applied Science (AAS) degree**  
**Major: Computer Information Systems**  
**Effective Fall 2013**

**Department of**  
**Computer Science & Information Systems**  
**Dr. Coskun Bayrak, Chair**  
**Meshel Hall, Room 339**  
**(330) 941-3134; fax (330) 941-2284**  
**<http://www.csis.ysu.edu/>**

Requirements for Graduation:

- \_\_\_ Minimum of 60 total SH
- \_\_\_ 29-31 SH in major + Support Courses
- \_\_\_ GER model complete
- \_\_\_ Residency requirement (transfer students only)
  
- \_\_\_ By 40 SH a “graduation evaluation” request **MUST** be made with the Academic Advising Center in Moser Hall, Room 2325
  
- \_\_\_ Meet w/ CIS program coordinator after graduation evaluation is complete

*Advisement for the CIS major*

**PRE – CIS:**  
 Students will be eligible to transfer to the CIS major once they have completed all pre-college Math (through MATH 1507) and Writing (through ENGL 1540) course work and at least one course applicable toward the CIS major. Further, a departmental GPA of 2.40 or better and an overall YSU GPA of 2.00 or better is required.

Once students have met the above requirements they can transfer their major from “Pre CIS” to CIS 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	
Math	1570	Applied Calculus 1 (prerequisite Math 1513 or Level 50 on MPT)	4	
Cmst	1545	Communications Foundations (Eligible to take Engl 1550)	3	
<b>Two additional GER courses from at least one of the following areas: Natural Science, Arts &amp; Humanities, Social Science, and Social &amp; Personal Awareness.</b>				
<b>Natural Science (NS)</b>				
<b>Arts &amp; Humanities (AH)</b>				
<b>Social Science (SS)</b>				
<b>Social &amp; Personal Awareness (SPA)</b>				

*Consult the GER website or your advisor for the list of courses meeting GERs:*  
<http://cms.ysu.edu/general-education>

- 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 and minor courses.
- Engl. 1550 & 1551 must be completed by 62 SH.
- Placement exam in English and Math required before registration of classes.
- 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 courses.
- Credit/NC Option not permitted in Major/Minor.
- Upper division courses have a catalog number of 3700 and above.
- CIS/ CSIS Elective (upper division) may be substituted with any 4800 or above CSCI or INFO elective with CIS advisor approval.
- The student is ultimately responsible for satisfying all of the degree requirements.
- Residency rule states that the last 20 SH must be completed at YSU; 16 SH in major.
- Request for **graduation evaluation form must be filed by 40 SH**

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<b>Required courses for CIS (29-31 sh) + Support Courses</b>				
Dept	Cat. #	Course Description	sh	gr
CSIS	1590	Survey of Computer Science & Information Systems (Math 1507 or Level 40 on MPT)	3	
CSIS	1595	Fundamentals of Programming & Problem Solving 1 (CSIS 1590 or MATH 1507)	3	
CSIS	2605			
	or	Fundamentals of Programming & Problem Solving 2 (CSIS 1595 or concurrent MATH 1513 or 1552 or Lvl 50 on MPT)		
CSIS	2610	Programming and Problem Solving (MATH 1513 or Level 50 on MPT)	4	
CSIS	3722	Development of Databases (CSIS 1590)	3	
CSIS	3723	Networking Concepts & Administration (CSIS 2605 or CSIS 2610)	3	
CSIS	3726	Visual/Object-Oriented Programming (CSIS 2605 or CSIS 2610)	4	
CSIS	3760	Electronic Commerce Programming (CSIS 2605 or CSIS 2610)	3	
<b>9 hours Electives</b> (UD CIS/CSIS/CSCI or CSIS 1525 or CSIS 2620)				
<b>Support Courses</b>				
Dept	Cat. #	Course Description	sh	gr
ACCT	2602	Financial Accounting	3	
ACCT	2603	Managerial Accounting	3	
PHIL	2619	Introduction to Logic	3	
ENGL	3743	Professional & Technical Communication	3	

<b>Electives (needed to meet the minimum of 60 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:**