

# B.S. in Computer and Information Science)

## (Students entering Summer 2007 or later)\*

### Computer Science Core

CSE 221	4	_____
222	4	_____
321	4	_____
360	4	_____
459.XX	1	_____
541	3	_____
560	5	_____
601	1	_____
625	3	_____
655	4	_____
660	3	_____
670	3	_____
675.02	4	_____
680	3	_____

**Total CS Core: 46** \_\_\_\_\_

### Mathematics and Statistics

<b>Math</b>	Math 151	5	_____
	Math 152	5	_____
	Math 153	5	_____
	Math 366	3	_____
	Math 566	3	_____
<b>Statistics</b>	Stat 427	3	_____
	Stat 428	3	_____

**Total Math and Statistics: 27** \_\_\_\_\_

\*Students who entered OSU prior to Au '04 may substitute Math 254 for Math 566 and 2 hours of technical electives.

### Natural Science

<b>Physics</b>	111 or 131	5	_____
	112 or 132	5	_____
<b>Bio Science</b>	_____	5	_____
<b>Science Elective</b>	_____	5	_____

At least 5 hrs of Biological Science is required.

**Total Natural Sciences: 20** \_\_\_\_\_

### CIS Technical Electives

See reverse side for technical options

**Total CIS Tech Elects: min 28** \_\_\_\_\_

\*Students should check with their Academic Advisor to determine which curriculum is the appropriate one for their enrollment at OSU.

### General Education Curriculum (GEC)

Details at: <http://artsandsciences.osu.edu/students/gec.cfm>  
GEC Questions should be directed to your Arts & Science Counselor in Denney Hall

#### Foreign Language

_____ 101	_____ 102	_____
_____ 103	_____ 104	_____
<b>Total Foreign Language:</b>		<b>20</b> _____

#### English and Communication Skills

English 110	5	_____
Writing 2: _____	5	_____
<b>Total English</b>		<b>10</b> _____

#### Social Sciences

\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  
 \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  
 Select two courses, with at least one course each from two of the three sections, as specified in the document at the url listed above.

**Total Social Sciences: 10** \_\_\_\_\_

#### Arts and Humanities

Literature: _____	_____	_____
Vis/Perf Art: _____	_____	_____

**Total Arts and Humanities: 10** \_\_\_\_\_

#### Historical Survey

History _____	5	_____
History _____	5	_____
<b>Total Historical Survey:</b>		<b>10</b> _____

#### Diversity Experiences

May be fulfilled by an approved 5 cr-hr course in another GEC category, or by a separate course in each of these areas.

_____ ●	5	_____
_____ ★	5	_____
_____ ♦ or ★	5	_____
<b>Total Social Diversity:</b>		<b>0 - 15</b> _____

The course categories "●, ♦, ★" are explained in the document at the url listed above.

**Total CIS Major: minimum 181** \_\_\_\_\_

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### Technical Options — 28 cr-hrs

You must choose one of the four technical options below. Each of the options includes a set of **Required Courses** and a number of credit-hours of **Elective Courses**. The CSE courses that may be included in the latter are:

- Letter-graded courses at the 500-level and above, unless otherwise noted in the *OSU Course Bulletin*;
- Up to 1 hour of 459 (in addition to that required as part of the core);
- Up to 2 hours of 693 (individual studies);
- Up to 3 hours of 699 or H783 (for honors students pursuing undergraduate research).

The remainder may be CSE courses as specified above, or ISE 573, Math 568/571, 572, 575, 647, and 648; AMIS 310; BusFin 420; BusMHR 400; Bus Mgt 430/630; BusMkt 450. Note that only one of Math 568 or Math 571 may be counted. In the third option (ICA), at least 3 hours of the Elective Courses must be CSE courses. The remainder may be CSE courses or other appropriate courses; AMIS 531, 627, 653, 658, 659, and GEOG 607 may be of special interest to students in this option.

*If you wish to count as an elective course one that does not meet the requirements of your chosen option, you must get prior approval from your faculty advisor.*

<b>Software Systems Option — 28 cr-hrs</b>									
<b>Required Courses</b>				<b>Elective Courses</b>					
	551	3	_____						
	677	3	_____		_____	_____	_____		
	757	3	_____		_____	_____	_____		
	Capstone*	4	_____		_____	_____	_____		
	*Suggested capstone 758				_____	_____	_____		
	<b>Total Required Courses:</b>		<b>13</b>	_____	<b>Total Elective Courses:</b>			<b>15</b>	
<i>At least 10 hours in the electives must be CSE course work.</i>									
<b>Information Systems Option — 28 cr-hrs</b>									
<b>Required Courses</b>				<b>Elective Courses</b>					
	616	4	_____						
	671	3	_____		_____	_____	_____		
	AMIS 211 or AMIS 310	5	_____		_____	_____	_____		
	Capstone*	4	_____		_____	_____	_____		
	*Suggested capstone 772				_____	_____	_____		
	<b>Total Required Courses:</b>		<b>16</b>	_____	<b>Total Elective Courses:</b>			<b>min 12</b>	
<i>At least 8 hours in the electives must be CSE course work</i>									
<i>Econ 200 must be taken as a Social Science GEC since it is a prerequisite for the AMIS course.</i>									
<b>Information and Computation Assurance Option — 28 cr-hrs</b>									
<b>Required Courses</b>				<b>Elective Courses</b>					
	551	3	_____		_____	_____	_____		
	651	3	_____		_____	_____	_____		
	677	3	_____		_____	_____	_____		
	678	3	_____		_____	_____	_____		
	Capstone*	4	_____		<b>Total Elective Courses:</b>			<b>min 12</b>	
	*Suggested capstone 762								
	<b>Total Required Courses:</b>		<b>16</b>	_____					
<i>At least 3 of the electives hours must be CSE course work</i>									

# **B.S. in Computer and Information Science)**

## **(Students entering Summer 2007 or later)\***

### **Individualized Option — 28 cr-hrs OR (18 CSE cr-hrs + approved minor)**

Students pursuing this option are required to complete 18 hours of CSE courses and **one** of the following:

- 10 hours of CSE and non-CSE courses approved by the advisor; OR
- a minor program approved by the advisor

The CSE courses included in the program must be from among those listed at the start of the list of Technical Options.

Students interested in this option are urged to consult with their advisor early in their program, so that they can get approval of the courses they propose to take including the non-CSE courses or the minor, whichever applies.

**The following tracks have been pre-approved for students in the following options. Note that the Business Information Systems track requires only 11 hours of the CSE courses but requires students to also complete the 20 credit hour Business Minor (for a total of 31 credit hours).**

**Use the following lists:**

#### **Graphics/Animation**

CSE 581.....4  
Capstone.....4 (CSE 682 or 786 suggested)  
Technical electives (CSE courses).....10  
Technical electives OR suitable minor...10

The following courses are strongly recommended for those technical electives required above: CSE 681,694A,781,782,784,786/682

**Recommended for students pursuing a minor in Studio Art; Industrial, Interior & Visual Communications Design**

#### **Artificial Intelligence**

CSE 630 .....3  
Capstone.....4 (CSE 786 or 731 suggested)  
Technical Electives (CSE courses)....11  
Technical Electives OR suitable minor...10

The following course are strongly recommended for these technical electives required above: CSE 612, 634, 730, 732, 733,735, 779, 786/731.

**Recommended for students pursuing a minor in Linguistics; Psychology**

#### **Advanced Studies**

One of CSE 725/755/780.....3  
One of CSE 760/775.....3  
One of Math 568/571/647/648....3  
Capstone.....4  
Technical Electives (CSE courses)....5  
Technical Electives OR suitable minor ..... 10

Choose suitable CSE courses at 500 level or above as specified at the start of the list of Technical Options.

**Recommended for students pursuing a minor in Mathematics**

#### **Business Information Systems (31 cr hrs)**

CSE 616.....4  
CSE 671.....3  
Capstone.....4 (CSE 772 suggested)  
Business Minor (required)....20