

**B.S. Dual Major for Computer Science and Information Science 5-Year Specimen
For Students Entering Before Fall 2007
Revision of June 23, 2008**

This degree program requires 133 SH of credit and students must be in Division A

Note that IS U691 must be taken during a cooperative education activity.

As of September 2008, IS U691 is no longer required. The required credits are reduced to 132 SH.

| | | QH |
|-----------------------|---|----|
| <i>Freshman year</i> | | |
| A1 | CS U200 Discrete Structures and CS U201 (Recitation) | 4 |
| Fall | CS U211 Fundamentals of Computer Science 1 and CS U212 (Lab) | 5 |
| | CS U221 CS/IS Overview 1 (1 SH) | 1 |
| | Arts/Humanities/Social Science 1 [A&S Core] | 4 |
| | ENG U111 College Writing | 4 |
| A2 | CS U213 Fundamentals of Computer Science 2 and CS U214 (Lab) | 5 |
| Spring | CS U222 CS/IS Overview 2 (1 SH) | 1 |
| | PHL U215 Symbolic Logic | 4 |
| | Humanities/Social Science 2 [A&S Core] | 4 |
| | PSY U101 Foundations of Psychology | 4 |
| <i>Sophomore Year</i> | | |
| A3 | IS U300 Principles of Information Science | 4 |
| Fall | CS U370 Object-oriented Design | 4 |
| | CS U380 Computer Organization and Architecture | 4 |
| | MTH U241 Calculus 1 | 4 |
| A4 | IS U570 Human-Computer Interaction | 4 |
| Spring | CS U390 Theory of Computation | 4 |
| | CS U430 Database Design | 4 |
| | CS U480 Systems and Networks | 4 |
| <i>Middler Year</i> | | |
| A5 | IS U470 Information Systems Design and Development | 4 |
| Spring | CS U660 Programming Languages or CS U690 Algorithms and Data | 4 |
| | ECN U350 Statistics | 4 |
| | ENG U302 Writing for Careers in Technical Professions | 4 |
| H1 | ECN U116 Microeconomics | 4 |
| Summer 1 | HRM U201 or HRM U209 Organizational Behavior | 4 |
| <i>Junior Year</i> | | |
| A6 | IS U580 Empirical Research Methods | 4 |
| Spring | CS U670 Software Development | 4 |
| | CS U660 Programming Languages or CS U690 Algorithms and Data | 4 |
| | MTH U371 Linear Algebra | 4 |
| H2 | Elective 1 | 4 |
| Summer 1 | Science Elective | 4 |
| <i>Senior Year</i> | | |
| C3 | IS U691 Information Science Field Study (1 SH: Taken during cooperative education activity) | 1 |
| A7 | IS U692 Information Science Senior Project | 5 |
| Spring | SOC U528 Computers and Society | 4 |
| | MIS U305 Managing the Information Resource | 4 |
| | Elective 2 | 4 |

B.S. Dual Major for Computer Science and Information Science 5-Year Specimen

Revision of May 9, 2006

For Class of 2010 or later

This degree program requires 134 SH of credit

Note that IS U691 must be taken during a cooperative education activity!!

| | | |
|-------------|---|---|
| A1 | CS U200 Discrete Structures and CS U201 (Recitation) | 4 |
| Fall | CS U211 Fundamentals of Computer Science 1 and CS U212 (Lab) | 5 |
| | CS U221 CS/IS Overview 1 (1 SH) | 1 |
| | Arts/Humanities/Social Science 1 [A&S Core] | 4 |
| | ENG U111 College Writing | 4 |
| A2 | CS U213 Fundamentals of Computer Science 2 and CS U214 (Lab) | 5 |
| Spring | CS U222 CS/IS Overview 2 (1 SH) | 1 |
| | PHL U215 Symbolic Logic | 4 |
| | Humanities/Social Science 2 [A&S Core] | 4 |
| | PSY U101 Foundations of Psychology | 4 |
| A3 | IS U300 Principles of Information Science | 4 |
| Fall | CS U370 Object-oriented Design | 4 |
| | CS U380 Computer Organization and Architecture | 4 |
| | MTH U241 Calculus 1 | 4 |
| A4 | IS U570 Human-Computer Interaction | 4 |
| Fall/Spring | CS U390 Theory of Computation | 4 |
| | CS U430 Database Design | 4 |
| | CS U480 Systems and Networks | 4 |
| A5 | IS U470 Information Systems Design and Development | 4 |
| Fall/Spring | CS U660 Programming Languages or CS U690 Algorithms and Data | 4 |
| | ECN U350 Statistics | 4 |
| | ENG U302 Writing for Careers in Technical Professions | 4 |
| H1 | ECN U116 Microeconomics | 4 |
| Summer | HRM U201 or HRM U209 Organizational Behavior | 4 |
| A6 | IS U580 Empirical Research Methods | 4 |
| Fall/Spring | CS U670 Software Development | 4 |
| | CS U660 Programming Languages or CS U690 Algorithms and Data | 4 |
| | MTH U371 Linear Algebra | 4 |
| H2 | Elective 1 | 4 |
| Summer | Science Elective | 4 |
| C3 | IS U691 Information Science Field Study (1 SH: <i>Taken during cooperative education activity</i>) | 1 |
| A7 | IS U692 Information Science Senior Project | 5 |
| Spring | SOC U528 Computers and Society | 4 |
| | MIS U305 Managing the Information Resource | 4 |
| | Elective 2 | 4 |

For terms A4, A5, A6, H1, H2, students in Division A attend in Spring and Summer 1, while students in Division N attend in Fall and Summer 2.