

2009-2010 Catalog Changes in Majors/Options and Minors Offered by the ISDS Department

Information Systems MAJOR (Now With Two New Options):				
	2008-2009 Catalog Requirements	Semester Hours	2009-2010 Catalog Requirements	Semester Hours
Healthcare Information Technology Systems (Healthcare IT-Systems) Option⁺				
1. Core Courses:	Information Systems 341, 342, 343, 344, 415, 443, 462; Decision Sciences 305	24 s.h.	Information Systems (IS) 215*, 341, 342, 415, and 462	15 s.h.
2. Special Courses:	Computer Science 220 and 230; or 211, 212, and 214	6 s.h.	Computer Science (CS) 211, 212, 3 s.h. of DS 390* †, 6 s.h. of IS 466* †, HS 211, 250, and HSM 212	20 s.h.
3. Other Courses:	Computer Science 484, 488	6 s.h.		
4. Open Electives:		5-8 s.h.		9 s.h.
⁺ also includes 33 s.h. of Business Core and 43 s.h. of General Education (<u>must</u> include 17 semester hours from: <i>Natural Sciences/Mathematics</i> : Math 137, Stat 171; <i>Social Sciences</i> : Econ 231, 232 and either Psy 100 or Soc 100; and <i>Human Well Being</i> : HE 120)				
Information Technology Systems (IT-Systems) Option⁺⁺				
1. Core Courses:	Information Systems 341, 342, 343, 344, 415, 443, 462; Decision Sciences 305	24 s.h.	Information Systems (IS) 215*, 341, 342, 415, and 462	15 s.h.
2. Special Courses:	Computer Science 220 and 230; or 211, 212, and 214	6 s.h.	Computer Science (CS) 211, 212, 214, DS 305, IS 344, and 6 s.h. of IS 467* †	18 s.h.
3. Other Courses:	Computer Science 484, 488	6 s.h.		
4. Open Electives:		5-8 s.h.		11 s.h.
⁺⁺ also includes 33 s.h. of Business Core and 43 s.h. of General Education (<u>must</u> include 15 semester hours from: <i>Natural Sciences/Mathematics</i> : Math 137, Stat 171; <i>Social Sciences</i> : Econ 231, 232 and either Psy 100 or Soc 100)				

	2008-2009 Catalog Requirements	Semester Hours	2009-2010 Catalog Requirements	Semester Hours
<u>IS MINOR:</u> Core Courses	<ol style="list-style-type: none"> 1. CS 220, or CS 211 and 212; IS 340, 341, 342 2. Select remaining hours from the following courses: 6 s.h. IS 343, 443; DS 305 	18 s.h.	<ol style="list-style-type: none"> 1. CS 211 and 212, IS 215[*], 340, 341, 342, and DS 305: 18 s.h. 2. Select remaining 3 s.h. from the upper-division IS courses 	21 s.h.
<u>NEW DS MINOR:</u> Core Courses			<ol style="list-style-type: none"> 1. DS 303 OR ECON 387, DS 305, DS 304, and 3 s.h. of DS 390[*]: 12 s.h. 2. Econ 332, Econ 425, Fin 331, Mktg 329, Mgt 425, OM 352, Soc 232, Soc 332, Psy 223, Psy 323, or other courses approved by the department: 6 s.h 	18 s.h.

^{*}New Courses; † Multiple title course, repeatable up to 6 s.h. under different titles.

DS 304, Managerial Decision Making and Problem Solving, 3 s.h. This is *not* a new course; it has been taken out the deep freeze and will be included in the 2009-2010 Catalog.

DS 390, Statistical Software for Data Management and Decision Making, 3 s.h. (Repeatable to 6 s.h. under different titles) This course provides students with the basic concepts of statistical computing. Students will gain experience with different types of statistical software and their applications. Methods of data preparation and validation, analysis and reporting will be covered. **PREREQUISITES:** DS 303; or Econ 387; or Psy 323; or Soc 332; or PolS 284 and Stat 171; or permission of the department chairperson.

IS 215, IT Infrastructure, 3 s.h. An introduction to IT infrastructure issues in Information Systems. Topics covered relate to both computer and systems architecture and communication networks, with a focus on services and capabilities that IT infrastructure solutions enable in an organizational context.

IS 466, Topics in Healthcare Informatics, 3 s.h. (Repeatable to 6 s.h. under different titles) Topics include the study of healthcare information systems and their use in healthcare and clinical practice as well as in healthcare research and education. **PREREQUISITES:** IS 341 and 342.

IS 467, Topics in Enterprise and/or Strategic Information Systems, 3 s.h. (Repeatable to 6 s.h. under different titles) Topics include the study of theoretic and practical issues related to enterprise and/or strategic information systems in contemporary organizations with a focus on integration of information and organizational forms and processes across functional areas using unified systems. **PREREQUISITES:** IS 341 and 342.

IS 341 and IS 342 can now be taken independently of each other. Both courses will now require IS 215 and IS 340 as prerequisites.