

**College of Engineering  
Department of Computer Science  
Minor in Human-Computer Interaction  
For Students Entering Under UG Catalog 2021-2022**

*FOUNDATION COURSES (9 credits required)*

CS 3724	Introduction to Human-Computer Interaction <i>Pre: CS 1114 or CS 1044 or CS 1054 or CS 1064</i>	3	_____
COMM 2084	Media and Society	3	_____
HIST/SOC/STS 2604	Introduction to Data in Social Context	3	_____

*ELECTIVES (6 credits required, 3 from outside student's major(s))*

Design focus:

ART 1234	Topics in Design for Non Majors	3	_____
COMM 4374	New Communications Technology <i>Pre: COMM 2084 or COMM 4014</i>	3	_____
IDS 2214	IDS Studio for Minors	6	_____
IDS 2065	Design Visualization <i>Pre: ARCH 1016</i>	2	_____

Theory & Research focus:

CMDA/STAT/CS 3654	Introductory Data Analytics and Visualization <i>Pre: (CS 1114 or CS 1044 or CS 1054 or CS 1064), (MATH 2224 or MATH 2224H or MATH 2204 or MATH 2204H or MATH 2406H or CMDA 2005), (STAT 3006 or STAT 4705 or STAT 4714 or CMDA 2006)</i>	3	_____
COMM 4024	Communication Law	3	_____
ISE 3614	Human Factors Ergon Engr <i>Pre: ISE 2004; Co: STAT 4105</i>	3	_____
PSYC 1004	Introduction to Psychology	3	_____
PSYC 2084	Social Psychology <i>Pre: PSYC 1004</i>	3	_____
SOC 3204	Social Research Methods <i>Pre: SOC 1004</i>	3	_____

Content focus:

ART 3574	Topics in Graphic Design (Scheduled topics: "Intro Web Design" or "Interaction Design") <i>Pre: ART 2576</i>	3	_____
ART 3604	Topics in New Media Art (Scheduled topic: "Multimedia") <i>Pre: ART 2604</i>	3	_____
ART 3704	Topics in Computer Animation (Scheduled topic "Creative Code w/ Processing") <i>Pre: ART 2704</i>	3	_____
ART 4504	Topics in Multimedia Studio <i>Pre: (ART 1414, ART 1604) or (ART 1504, ART 1514, ART 2504)</i>	3	_____
ART 4544	Computer Animation Studio (Scheduled topic "Adv Creative Code" or "Multimedia/Installation") <i>Pre: ART 3704</i>	3	_____
CS 4634	Design of Information <i>Pre: CS 3114, CS 3724</i>	3	_____
MUS 3314	Instrumental Ensemble Music (Linux Laptop Orch)	1	_____

Implementation focus:

CS 3714	Mobile Software Development <i>Pre: CS 2114</i>	3	_____
CS 3744	Intro GUI Programming/Graphics <i>Pre: CS 2114, , (MATH 1114 or MATH 1114H or MATH 2114 or MATH 2114H), (MATH 1224 or MATH 1224H or MATH 2204 or MATH 2204H)</i>	3	_____
CS 3754	Cloud Software Development <i>Pre: CS 2114</i>	3	_____
CS 4624	Multimedia, Hypertext & Information Access <i>Pre: CS 3114</i>	3	_____
MUS 3064	Digital Sound Manipulation	3	_____
MUS 3065	Computer Music and Multimedia Design <i>Pre: MUS 2054</i>	3	_____
MUS 3066	Computer Music and Multimedia Design <i>Pre: MUS 2054, MUS 3065</i>	3	_____
MUS 4014	Topics in Advanced Electroacoustic Research <i>Pre: MUS 3066, MUS 3164</i>	3	_____

*INTEGRATIVE CAPSTONE (3 credits required)*

CS 4774	HCI Design Experience (non-CS-majors) <i>Pre: CS 3724, COMM 2084, HIST/SOC/STS 2604</i>	3	_____
CS 4784	HCI Capstone (CS-majors) <i>Pre: CS 3724, CS 3744</i>	3	_____

	Total	18 hours	
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Additional Requirements and Comments for the Human-Computer Interaction (HCI) Minor

- A. HCI minors must earn at least a “C” (2.0) in CS 3724, HIST/SOC/STS 2604, and COMM 2084.
- B. Students must have an HCI Minor GPA of at least 2.0 to successfully complete the minor.
- C. Student must be in a degree-granting major before declaring the minor.
- D. No more than 50% of the credits for the HCI Minor may be double-counted in the student’s major.
- E. Some courses listed on this checksheet have prerequisites. It is the student’s responsibility to be aware of prerequisites and to ensure that all prerequisites are completed prior to enrolling in the chosen course. Some courses may be restricted to specific majors in some semesters. Check the Undergraduate Course Catalog and consult with an academic advisor to confirm your eligibility for specific electives. Actual course offerings are subject to availability of sufficient resources, including faculty availability and student demand.