Ph.D. in Informatics - Human-Computer Interaction Track
Course Requirements & 5-Year Plan of Study
For Students Starting in Fall 2019 and Forward

The Ph.D. in Human Computer Interaction is a 90 credit hour program that includes:

Core Courses 18 cr. → HCI Core 18 cr. (H541, H564, H624, H634 and 2xHCI Research Area Selectives)
Methods Courses 18 cr. → I575 + 2xMethods Electives + 3xResearch Rotations I790
Specialization 18 cr. → Disciplinary Affinities 0-6 cr. (1 cr. Colloquia Series and/or Electives) + Minor 12-18 cr.
Dissertation 36 cr. → Thesis Reading and Research I890 (Dissertation Credits)

Recommended Plan of Study

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<th></th>
<th>Fall</th>
<th>Spring</th>
<th>Summer²</th>
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| **Yr. 1** | • H541 HCI1  
• H624 HCI Advanced Seminar I  
**HS99 Research Colloquia Series (1 cr.)** | • H564 Prototyping  
• HCI Research Area Selective, choose one:  
H566 Experience Design for Ubi Comp  
I590 Exp. Design for Access Technologies  
H567 IoT Interface Design  
I501 Intro to Informatics  
**HS99 Research Colloquia Series (1 cr.)** | • I790 Research Rotation  
• Disciplinary Affinity Elective or Minor Course (if not HS99)  
• First-year Review: Research Portfolio |
| **Yr. 2** | • I575 Informatics Research Design  
• HCI Research Area Selective, choose one:  
H563 Psychology of HCI  
H565 Collab and Social Computing  
H543 Interaction Design Methods (take it online or in Year 3, if scheduling conflicts)  
**HS99 Research Colloquia Series (1 cr.)** | • H634 Advanced Seminar II  
• HCI Research Methods Elective  
**HS99 Research Colloquia Series (1 cr.)** | • I790 Research Rotation  
• Disciplinary Affinity Elective or Minor Course (if not HS99 fall/spring)  
• PhD Qualifying Exams |
| **Yr. 3** | • Minor course  
• Minor course or Research Methods Elective  
**HS99 Research Colloquia Series (1 cr.)** | • Minor course or Research Methods Elective  
**HS99 Research Colloquia Series (1 cr.)** | • I790 Research Rotation  
• Dissertation Proposal Defense |
| **Yr. 4** | • Dissertation credits  
• Dissertation credits  
• Dissertation credits | • Dissertation credits  
• Dissertation credits  
• Dissertation credits | *Dissertation Defense  
(upon meeting IUPUI Graduate Office approvals and deadlines) |
| **Yr. 5** | • Dissertation credits  
• Dissertation credits  
• Dissertation credits  
• Dissertation credits  
• Dissertation credits | • Dissertation credits  
• Dissertation credits  
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• Dissertation credits | |

Sample Research Methods Electives
- H561 Meaning and Form in HCI
- PSY600 Statistical Inference
- PSY601 Experimental Design
- PSY608 Measur. Theory and Data Interpret.
- See list on next page for more options

Sample Electives
- Any additional 500-level or 600-level course in the School of Informatics and Computing, or in other Schools on campus.

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¹ Please note that required courses are NOT offered in more than one semester; if you miss the course, you may have to wait another year and potentially delay your graduation.
² Students who receive full support from the School as a Teaching Assistant (TA) or Research Assistant (RA) are on a 12-month appointment and must remain as a full time student in the summer, i.e., they must continue to work 20 hours per week as research assistant and take a minimum of 6 credit hours per semester. The Department Scholarship will cover no more than 18 cr.hours in a given academic year (fall, spring and summer).
IMPORTANT NOTES ON PHD PROGRESSION AND TIMELINE

- Detailed instructions on the First-year Review and PhD Qualifying Exams are available at: http://soic.iupui.edu/graduate/hci/phd/
- Throughout the PhD study progression, PhD Students are responsible to adhere to the IUPUI Graduate Office’s deadlines and timeline required to submit the necessary documentation and obtain approvals for the student’s committees, dissertation proposal, defense and submission. PhD progression deadlines are specified here: https://graduate.iupui.edu/theses-dissertations/deadlines.html https://graduate.iupui.edu/doc/forms/progression-checklist-phd.pdf

OTHER RESEARCH METHODS COURSES
(Students MUST Check for Semesters Offering and prerequisites from the Respective Schools and Departments)

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<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>PSY 608</td>
<td>Measurement Theory and Interpret Data</td>
<td>SOC-R 551</td>
<td>Quantitative Methods – Sociology</td>
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<tr>
<td>PSY 640</td>
<td>Survey of Social Psychology I</td>
<td>SOC-R 551</td>
<td>Quantitative Methods Sociology</td>
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<td>PSY 655</td>
<td>Cognitive Development (Fall Even Yr)</td>
<td>SOC-R 559</td>
<td>Intermediate Soc Statistics</td>
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<td>PSY-I 643</td>
<td>Field Methods &amp; Exper</td>
<td>STAT 511</td>
<td>Statistical Methods 1</td>
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<td>ANTH-E404</td>
<td>Field Meth in Ethnography</td>
<td>STAT 512</td>
<td>Applied Regression Analysis</td>
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<td>COM 501</td>
<td>Qualitative Research</td>
<td>STAT 516</td>
<td>Basic Probability Appl.</td>
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<tr>
<td>COM 502</td>
<td>Applied Qualitative Research Methods</td>
<td>STAT 519</td>
<td>Intro to Probability</td>
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<tr>
<td>EDU 520</td>
<td>Strategies for Educational Inquiry</td>
<td>STAT 521</td>
<td>Statistical Computing</td>
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<tr>
<td>EDU 611</td>
<td>Qualitative Inquiry in Education</td>
<td>STAT-522</td>
<td>Sampling and Survey Techniques</td>
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<tr>
<td>NURS-L 650</td>
<td>Data Ana Clinical &amp; Admin Dec.-Making</td>
<td>STAT 524</td>
<td>Applied Multivariate Analysis</td>
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<td>NURS-R 612</td>
<td>Interpretive Data Analy (2 cr.) Sum I-II</td>
<td>STAT 525</td>
<td>Intermediate Stat Methodology</td>
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<td>STAT 529</td>
<td>Applied Dec Theory and Bayesian Stat</td>
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<td>STAT 619</td>
<td>Probability Theory</td>
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OTHER ELECTIVE COURSES IN THE SCHOOL AND ON CAMPUS
(Students MUST Check for Prerequisites and Updated Course Availability from the Respective Schools and Departments)

https://www.iupui.edu/academics/schools.html