PLAN OF STUDY
[FALL 2017]
MASTER OF SCIENCE IN MEDIA ARTS AND SCIENCE
School of Informatics and Computing (SoIC)

MS: 30 Credit Hours

<table>
<thead>
<tr>
<th>Program Core</th>
<th>Electives or MAS Internship</th>
<th>Final Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>N500, N501, N503, N512</td>
<td>Choose from list of elective courses (see next page) based on disciplinary interest and/or MAS career path</td>
<td>N506 - Fall/Spring (3 credit hours each)</td>
</tr>
<tr>
<td>12 Cr. Hr.</td>
<td>12 Cr. Hr.</td>
<td>6 Cr. Hr.</td>
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FALL

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<thead>
<tr>
<th>YR</th>
<th>Course</th>
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<tbody>
<tr>
<td>1</td>
<td>N500 Principles of Multimedia Technology [M 6pm] Defazio</td>
</tr>
<tr>
<td></td>
<td>N503 Digital Media Application Design Processes [W 6pm] Defazio</td>
</tr>
<tr>
<td></td>
<td>One elective</td>
</tr>
<tr>
<td>2</td>
<td>N506 MAS Masters Final Project/Thesis</td>
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<tr>
<td></td>
<td>One elective</td>
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SPRING

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<tr>
<th>YR</th>
<th>Course</th>
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<tbody>
<tr>
<td>1</td>
<td>N501 Foundations of Digital Production [T 6pm] Huang</td>
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<tr>
<td></td>
<td>NS12 Trends in Media, Info and Comm [R 6pm] Mannheimer</td>
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<tr>
<td></td>
<td>One elective</td>
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<tr>
<td>2</td>
<td>N506 MAS Masters Final Project/Thesis</td>
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<tr>
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<td>One elective</td>
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DEPARTMENT ELECTIVES BY AREA (not exclusive list):
- **Internship:** MAS Internship (N595) [see next page for more detail] (contact: Career Services).
- **Business and Entrepreneurship:** H550 Legal and Business Issues in Informatics, B505 Project Management (contact: Sara Hook).
- **Research Methods:** I575 Introduction to Research (contact: Davide Bolchini).
- **Game Design and Development:** N534 Serious Games and Simulations; 500-level sections of Game Production courses (contact: Mat Powers).
- **3D Graphics and Animation:** 500-level sections of 3D Graphics and Animation courses (contact: Zeb Wood).
- **Web Design and Development:** N504 Advanced Int. App. Design, 500-level sections of Web Design/Dev. courses (contact: Todd Shelton, Travis Faas).
- **Digital Media and Healthcare:** N507 Digital Media for Healthcare (contact: Edgar Huang).
- **Video Production:** 500-level sections of Video Production courses (contact: C. Thomas Lewis).
- **Engagement in faculty research projects:** N553 Independent Study (contact any faculty in the department).

FINAL PROJECT REQUIREMENTS

**N506:** All students must complete a final project of 6 Cr. Hrs. including N506 (Fall) and N506 (Sp.) of their second year under the supervision of a faculty member. Registration by permission only once a faculty member has agreed to supervise.

1. All students must complete a final project of 6 Cr. Hrs., including N506 (Fall) and N506 (Sp.) of their second year.
2. It is the responsibility of the student to select, contact in advance and engage directly with the individual MAS faculty who is most germane to the student’s interest for the final project.
3. Students will work on one final project that extends throughout the two courses (Fall and Spring).
4. Students will receive an official grade at the conclusion of each course/semester.
5. Students are encouraged to propose a project that can be realistically completed by the conclusion of their Spring semester.
6. Incompletes are NOT permitted.

Detailed schedule of each course is updated and published every semester (including Summer sessions) on the IUPUI Registrar website.
MAS Internship (N595)
(Equivalent to Elective Courses)

The Informatics Career Services Office assists students with finding MAS-related Internships (e.g., summer semesters) to gain valuable professional experience within the MAS industry prior to graduation. **Up to 6 credits of internships (course N595) may be counted towards elective credits. Credit for an internship should be requested prior to the starting date of the internship since retro-credit is not permitted.** Once approved authorization is given to register for an online credit internship course. Please contact Career Services (soiceso@iupui.edu) to learn more about internship opportunities and the credit internship evaluation and approval process.

**Example of Potential Elective Courses in Other Departments and Schools**
(Students MUST Check for Prerequisites, permission and Course Availability from the Respective Schools and Departments)

**DESIGN (HERRON)**
- HER–V501 Design Thinking (1.5 cr.)
- HER–V502 Human Factors in Design (1.5 cr.)
- HER–R511 Visual Research (3 cr.)

**COMMUNICATION**
- COMM–C 500 Advanced Comm Theory
- COMM–C 531 Media Theory and Criticism
- COMM–C 592 Advanced Health Communication
- COMM–C 620 Computer-Mediated Communication

**COMPUTER SCIENCE**
- CSCI 507 Object-Oriented Design & Prog
- CSCI 537 Intro to Distributed Computing
- CSCI 541 Database Systems
- CSCI 550 Computer Graphics
- CSCI 552 Advanced Graphics and Visualization
- CSCI 565 Programming Language

**PSYCHOLOGY**
- PSY570 Industrial Psychology – Fall, odd yr
- PSY572 Organizational Psych – Spring, even yr
- PSY615 Physiological Psych – Fall, even yr
- PSY640 Social Psychology I – Fall, odd yr
- PSY655 Cog Development – Fall, even yr

**SOCIOLOGY**
- SOC–R 556 Advanced Sociological Theory I
- SOC–R 557 Advanced Sociological Theory II
- SOC–R 559 Intermediate Sociological Statistics
- SOC–R 593 Applied Fieldwork for Sociologists
- SOC–S 530 Introduction to Social Psychology

**GEOGRAPHY**
- GEOG–G 536 Advanced Remote Sensing
- GEOG–G 537 Computer Cartography and Graphics
- GEOG–G 538 Intro to Geographic Information Systems
- GEOG–G 539 Advanced Geographic Information Systems

**OTHERS**
- ANTH 501 Fundamentals of Applied Anthropology
- ED 531 Computers in Education
- SLIS–S 532 INFO Architecture for the Web

**Additional Research Methods Courses**
(Students MUST Check for Prerequisites and Course Availability from the Respective Schools and Departments)

- ANTH-E404 Field Meth in Ethnography
- COM 501 Qualitative Research
- COM 502 Applied Qualitative Research Methods
- EDU 520 Strategies for Educational Inquiry
- EDU 611 Qualitative Inquiry in Education
- PSY-I 643 Cognitive Development (Fall, even yr)
- SOC-R 551 Quantitative Methods - Sociology
- SOC-R 559 Intermediate Soc Statistics
- NURS-L 650 Data Ana for Clinical & Admin Decision-Making
- NURS-R 612 Interpretive Data Analysis (2Cr.), Summer I-II
- PSY 600 Statistical Inference (Fall, even yr)
- PSY 601 Experimental Design (Spring, even yr)
- PSY 608 Measurement Theory and Interpret Data