Overview of the ATLAS Institute

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with

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Engineering Advisory Council
4/26/2013
ATLAS is Unique and Relatively New

Established as an institute in 2003, the first new institute to be created at CU in 35 years.

In contrast to other institutes, ATLAS
• has a broad curriculum, research and outreach focus;
• offers several degree and non-degree programs directly; and
• employs both undergraduate and graduate teaching faculty.
Current ATLAS Programs

- Technology, Arts and Media (TAM) Minor and Certificate
- Interdisciplinary Ph.D.
- MS degree in ICT for Development
- Center for Media, Arts, and Performance (CMAP)
- Outreach partnerships with K-12 schools (Digital CURRENts – thanks CAMPOS EPC!)
- Headquarters of the National Center for Women and Information Technology (NCWIT)
- BDW
- ATLAS Speaker Series
TAM Minor and Certificate

Provides a broad multidisciplinary perspective that integrates technological skills with a critical, theoretical, and historical understanding of technology, media and the arts.

**TAM Minor Course Flow**

- Meaning of Information Technology
- Digital Media 1
- Digital Media 2
- Fund. of Digital Design
- Critical Thinking in Technology
- Invention & Practice
- Interdisciplinary Electives
- Capstone

**TAM Certificate Course Flow**

- Meaning of Information Technology
- Digital Media 1
- Critical Thinking in Technology Elective
- Invention & Practice Elective*
- Interdisciplinary Electives

*must be an ATLS course
ATLAS MS-ICTD Program

The MS-ICTD degree prepares students for careers in the use of ICT to improve the quality of life of people in developing communities.

- **Two-year program:**
  - three semesters in residence
  - one-semester practicum

- **Courses:**
  1. Global Development I
  2. Global Development II
  3. Case Studies in ICTD
  4. Technical Elective I
  5. Technical Elective II
  6. Technical Elective III
  7. Fieldwork Methods for ICTD Practitioners
  8. Social Entrepreneurship Elective
  9. ICTD Project Laboratory
  10. Elective related to development sector of interest
  11. Practicum
ATLAS PhD Program

The ATLAS PhD is a research-oriented degree program intended for highly-motivated students whose interdisciplinary interests at the intersection of technology and society are not met well by any single-discipline Ph.D. program.

• **Current Areas of Research Focus:**
  - Internet Privacy and Security
  - ICT for Development
  - Crisis Informatics
  - ICT and Education:
    - Games and STEM/CS Education in High School
    - STEM education in Native American High Schools
    - “Talent Scouting” Community Colleges
    - Using ICT to Improve Health in Native American Communities
    - Tangible Interfaces and Interactive Art
Recent PhD Program Markers

- Plenary talks at TedX, SxSW, mHealth Summit, ICTD2012, CSCW2012, CHI2012, and the National Association of State Attorneys General
- Several “best paper” awards at leading conferences
- Harvard Law School Berkman Center Fellowship
- Bill and Melinda Gates Grand Challenge grant
- Student Research Competition winner at CHI 2012 (finalist for 2013 ACM Intl. SRC Award).
ATLAS Educational Programs Enrollment (Spring 2013)

**TAM**
- Current Enrollment: **774**
- Number of Graduates: **816 (+ 147 this May)**
- Gender: **60% Female**

**MS-ICTD**
- Current Enrollment: **23**
- Number of Graduates: **5 (+ 4 this May)**
- Gender: **52% Female**

**PhD**
- Current Enrollment: **14 (19 as of Fall 2013)**
- Number of Graduates: **5 (+ 1 this May)**
- Gender: **62% Female**