

Goal 1: Excellence in teaching and learning

E. Provide effective professional and graduate programs

Professional Science Masters (PSM) Degrees

Professional science masters degrees may be useful for industry and outreach, make students more marketable, and add a possible revenue channel.

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Current status: Professional Science Master's degrees are defined as degrees offering not only intensive training in science or mathematics but also include training in business fundamentals, project management, team-building, and communication skills (<http://www.sciencemasters.com/ScienceMastersHome>). The Laboratory Informatics graduate program at IUPUI is a Professional Science Master's developed with support of the Alfred P. Sloan Foundation.

IUPUI also offers an array of degrees that function in part as PSM degrees, in that they train students for non-academic careers:

- ^MS in Applied Statistics (18 students, fall 2005)
- ^MS in Bioinformatics (18 students, fall 2005)
- ^MS in Chemical Informatics (13 students, fall 2005)
- ^MS in Clinical Research (16 students, fall 2005)
- ^MS in Geographic Information Science (7 students, fall 2005)
- ^MS in Health Informatics (27 students, fall 2005)
- ^MS in Industrial & Organizational Psychology (18 students, fall 2005)

In addition, some traditional master's degrees at IUPUI offer a non-thesis option that may partly function as a PSM. For example, the Purdue Schools had 264 master's students at IUPUI in 2006; within the MS in Chemistry, 2/3 of students are non-thesis and most are working.

>IUPUI offers an array of graduate certificates that fulfill a similar role

- School of Engineering (certificates new in 2006)
 - ^Biocomputing
 - ^Biometrics
 - ^Computer-aided Mechanical Engineering
 - ^Computer Security
 - ^Database Mining
 - ^Software Engineering
- School of Informatics
 - ^Bioinformatics
- School of Liberal Arts (22 students in all programs, 2006)
 - ^Geographic Information Science
 - ^Museum Studies
 - ^Professional Editing
 - ^Survey Research
- School of Medicine (22 students in two programs, 2006)
 - ^Biotechnology
 - ^Public Health
- School of Public and Environmental Affairs (127 students in all programs, 2006)
 - ^Health Policy
 - ^Health Systems Management
 - ^Library Management (Executive format, online and residential)
 - ^Nonprofit Management (Online and residential)
 - ^Public Management (Online and residential)
 - ^Social Entrepreneurship: Nonprofit and Public Benefit Organizations