

Goal 3: Excellence in Civic Engagement

A. Enhance capacity for civic engagement

K-12 Education

This activity helps prepare a better workforce in Indiana. IUPUI should be the leading teacher training institution in Indiana. Does a MAT degree with a reasonable number of credit hours exist? Considerable funding available in the math-science areas.

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Current status

- The group focused its efforts on improving and accelerating the training of teachers of math and science, the area where the need for new teachers is most acute: approximately 80-100 math and science teachers will retire each year over the next five years in the Central Indiana region.
- The campus's math and science teacher education initiatives are coordinated by The Urban Center for the Advancement of Science and Mathematics Education (UCASE), a collaboration between the School of Science and the School of Education to promote science and math teacher education at IUPUI.
- Approximately 17 students are currently enrolled in the mathematics undergraduate teacher education program and the Transition to Teaching (T2T) specialization in science education. The Master of Arts (MAT) program is dormant at this time.

Recommendations

- Double IUPUI enrollment in science and mathematics teacher education programs by 2009, with a goal of meeting at least half of the projected need in Central Indiana.
- Admit undergraduate students to the teacher education program in their first year to improve recruitment and retention of prospective science and mathematics teachers.
- Develop a responsive and effective advising system to improve retention for undergraduates in science and mathematics teacher education.

Implementation

- Improve the School of Education Web site and develop activities for first-year math and science courses geared to informing students about and recruiting them to teacher education programs.
- Restructure undergraduate teacher education program to include first- and second-year courses.
- Collaborate with Ivy Tech Community College to develop an articulation agreement for first- and second-year teacher education courses.
- Restructure third- and fourth-year undergraduate teacher education courses to increase schedule flexibility and enhance enrollment of biology, chemistry, geology, mathematics, and physics majors.
- Develop flexibility in T2T program to enhance enrollment of non-traditional students.

(Revised August 27, 2007)