

ILLINOIS INSTITUTE OF TECHNOLOGY

Chicago, Illinois

2003-2004 Title II Report

Mission:

To develop highly qualified secondary teachers of science and mathematics, within a context of disciplinary-specific pedagogy and technology rich environments

Teacher Preparation Programs:

Secondary Mathematics
Secondary Science (biology, chemistry, physics)

Student Characteristics:

Undergraduate and Graduate students with (or pursuing) a BS in science, mathematics or closely related field

Admission Requirements:

- Must possess a BS degree in science, mathematics, or closely related field. Students may also be currently enrolled in a subject matter degree program.
- A GPA of 3.0 or higher overall and in subject matter area.
- Three letters of reference from individuals who can speak about subject matter proficiency.
- Statement of career goals.
- Successful completion of first two introductory courses.

Accreditation:

Secondary Mathematics (Illinois State Board of Education)
Secondary Science (biology, chemistry, physics) – Illinois State Board of Education

CONTEXTUAL INFORMATION

Teacher Education Vision:

Educating future teachers in a program with a conceptual framework of pedagogical content knowledge. Developing future leaders and innovators in mathematics and science teaching who possess in-depth backgrounds in subject matter, technology, and subject-specific pedagogy.

Best Practices:

- Research-based courses (literature on teaching and learning)
- Authentic and performance-based assessments
- Standards-based instruction
- Technology integration
- Attention to diverse students and their needs

Notable Features and Accomplishments:

- informal education practicum
- practicum in science/mathematics research
- field-based courses throughout program
- portfolio assessment
- action research and reflective assignments in foundational knowledge domains
- all faculty have previous experience as classroom teachers
- 100% placement rate for graduates

**Program Information for Illinois Institute of Technology
2003-2004**

S.1 Total number of students admitted into teacher preparation, all specializations, in academic year 2003-2004	20
S.2 Number of students in supervised student teaching in academic year 2003-2004	3
S.3 Number of faculty members who supervised student teachers:	1
➤ S.3A Full-time faculty in professional education	4
➤ S.3B Part-time faculty in professional education but full-time in the institution	0
➤ S.3C Part-time faculty in professional education, not otherwise employed by the institution	0
S.4 Total faculty student teaching supervisors	1
S.5 Student teacher/faculty ratio (Divide total given in S.2 by the number given in S.4)	0.75
S.6A The average number of student teaching hours per week	35
S.6B The total number of weeks of supervised student teaching required	15
S.7 Average total number of hours required	525