

CONTEXTUAL INFORMATION

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:

Middle level and Secondary Mathematics
Middle level and Secondary Science (biology, chemistry, physics)

Student Characteristics:

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

Admissions Requirements:

Admission to Teacher Education Program: • 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.

Admission to Student Teaching:

Successful completion of all of the teachers preparation courses
Passing ISBE Basic Skills Test
Passing Content Test

Accreditation:

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

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
- 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
2006-2007**

S.1 Total number of students admitted into teacher preparation, all specializations, in academic year 2006-2007	15
S.2 Number of candidates in supervised student teaching in academic year 2006-2007	3
S.3 Number of faculty members who supervised student teachers:	
➤ S.3A Full-time faculty in professional education	0
➤ 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	3
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)	3
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