# Meeting the Technology Requirement
## 2004-2005

The formal statement of the Technology Requirement is provided in the Student Handbooks produced by the Student Affairs Office, 134 Erickson Hall, which are given to teacher candidates upon admission. The following statement describes how the technology requirement can be met and the practical standards to be employed. More detailed examples are provided in the following table, Technology Requirements for Team 3 Teacher Candidates. Further information concerning each requirement can be found on the web page located at http://ott.educ.msu.edu/newott

The MSU teacher preparation program requires that the technology requirements be met in full before the teacher candidate enters the internship. Although Team 3 makes every effort to ensure these requirements are met during normal course attendance and/or to inform you of other options available for meeting the requirements, in the end it is the **student's responsibility** to meet them.

**How can teacher candidates meet the requirement?**

Teacher candidates can satisfy each part of the technology requirement in the following way:

1. DEMONSTRATE THROUGH COURSE ASSIGNMENTS.
Instructors of Teacher Preparation courses (e.g., 301, 401, 402) are encouraged to design course assignments that allow teacher candidates to demonstrate their technological competence. Course instructors can determine if a student meets certain requirements by examining the product or behavior as specified in the following table.

**What is required?**

The technology requirement consists of five parts:

E-mail
World Wide Web
Word Processing or Presentation software
Database or Spreadsheet
Educational Software

Each of the five parts has two levels. You must demonstrate a simple or fundamental use described in the "Level 1" of Table 1 for all five areas.
Simple or fundamental use:  This set of criteria requires that students demonstrate basic functional use of these forms of educational technology and can show that they are capable of using these technologies.

Additionally, you must demonstrate an adaptive, professional/pedagogical use in one area as described in the "Level 2" of Table 1.
Adaptive, pedagogical or professional use:  This set of criteria requires that students demonstrate their use of an educational technology within the context of an authentic teaching or learning environment. Adaptive or pedagogical use of educational technology requires thought and critical examination of the value technology brings to teaching or learning in the classroom. Professional use implies the use of technology as a tool for one's own professional growth or development.

To view your technology requirement status, please visit the TechTracker at http://ott.educ.msu.edu/newott/

**Entry-Level Standards for Michigan Teachers**
Michigan has seven entry-level standards for beginning teachers; one of those focuses on technology. Information about all the standards can be found at:

Printed below is the content of the 7th standard:
Standard 7:  An ability to use information technology to enhance learning and to enhance personal and professional productivity.

**a.**  Design, develop, and implement student learning activities that integrate information technology for a variety of student grouping strategies and diverse student populations;

**b.**  Identify and apply resources for staying current in applications of information technology in education;

**c.**  Demonstrate knowledge of uses of multi-media, hyper-media, telecommunications, and distance learning to support teaching/learning;

**d.**  Demonstrate knowledge about instructional management resources that assist in such activities as writing and updating curriculum; creating lesson plans and tests, and promoting, reinforcing, and organizing data regarding student performance;

**e.**  Use information technologies to support problem solving, data collection, information management, communications, presentations, and decision making including word processing, database management, spreadsheets, and graphic utilities;

**f.**  Demonstrate knowledge of equitable, ethical, legal, social, physical, and psychological issues concerning use of information technology; and

**g.**  Use information technology to enhance continuing professional development as an educator.

**Excellence in Teaching with Technology Awards**
To encourage teacher candidates to creatively explore the use of technology in real educational settings, we have developed the Program of Award of Excellence in Teaching with Technology.  All teacher candidates, including interns, may apply for the Award.  Application materials and evaluation standards will be available from the Tech Guides web site or room 130 Erickson.