

School of Education, Indiana University

## ***Specialist in Education (Ed.S.) Degree Program***

### **Instructional Systems Technology**

#### **Ed.S. Program Purpose**

The Specialist in Education (Ed.S.) degree in Instructional Systems Technology (IST) is an advanced graduate level program that allows students to develop competence in advanced practice in instructional or performance technology.

The Ed.S. in IST helps students to develop expertise in instructional or performance technology beyond the master's degree preparing them for management and leadership roles in education, government, business or industry.

The Ed.S. is a post-master's degree that will help students to strengthen competencies in one or more of the following areas:

- Needs assessment and instructional analysis
- Design and development of instructional or performance interventions
- Production of mediated or other instructional or performance interventions
- Program and project evaluation
- Change facilitation and management
- Distance learning and distributed education
- Project management

#### **Ed.S. Program Basic Requirements**

- Completed master's degree from an accredited institution.
- Sixty-five (65) credit hours, 35 of which must be taken at the Bloomington or Indianapolis campuses.
- Up to 30 credit hours (from master's degree or other graduate course work) may be transferred from other campuses of Indiana University or from other accredited institutions.
- A residency period of 9 credit hours taken one semester or summer, following admission to the Ed.S. program.
- **Completion of a capstone project with a written report.**
- **Compilation of a portfolio to be reviewed and approved by the department.**
- Completion of all degree requirements within seven (7) years of the date of matriculation (beginning the program).

#### **Advisory Committee**

A student admitted to the Ed.S. program in IST must form an advisory committee to assist in program formation and to monitor student progress. The committee must consist of three faculty members:

- Two from the IST program, one of whom will serve as chair
- One from the minor area
- Composition of the committee must be approved by the IST Chair and School of Education Associate Dean for Graduate Studies.

A completed program of studies approved by the advisory committee must be submitted to the School of Education Office of Graduate Studies within one year of matriculation (beginning the program).

## Program Components

### Major (27 credits minimum)

- Eighteen (18) of these credit hours must be taken at the Bloomington or Indianapolis campuses
- IST Core Classes (12 credits)
  - R511 (3 credits): Instructional Technology Foundations I
  - R521 (3 credits): Instructional Design and Development I
  - R541 (3 credits): Instructional Development and Production Process I
  - R561 (3 credits): Evaluation and Change in the Instructional Development Process
- IST Electives (15 credits)
  - One course (3 credits) in area of Instructional Analysis, Design, and Development: e.g., R620 and 30s courses such as R620, R621, R622, R625, or R626
  - One course (3 credits) in area of Instructional Development and Production: e.g., R519 and 40s courses such as R542, R547, R641, or R741
  - One course (3 credits) in area of Implementation and Management: e.g., R503, and 60s courses such as R563, R660, R665, or R667
  - Two courses (6 credits) in addition to any of the electives chosen above or in IST foundations, topical seminars, or research courses : e.g., R505, R586, R590, R611, R686, R690, or R711

### Minor (12 credits minimum)

- Relates to and directly supports:
  - Specialty area: e.g., analysis, design/development, implementation/change, or evaluation in instructional or performance technology
  - OR
  - Context area: e.g., K-12 schools, higher education, government/public service, or business/industry
- Inside or outside the School of Education
- Graduate level or School of Education Graduate Program approved upper-level undergraduate courses
- Set of courses approved by Minor area representative on advisory committee

### Inquiry (9 credits minimum)

- Y520 (3 credits): Strategies for Educational Inquiry
  - and one course from each of these areas:
- Research/Evaluation Methods (3 credits): e.g., Y527, Y535, Y611, Y635
- Statistical Methods (3 credits): e.g., P501, Y502, Y603, Y604

### Electives (9 credits minimum)

- Additional courses from major, minor, or inquiry areas
- Other electives
- Must be approved by the program advisory committee

### **IST Field / Practical Experience (3 to 9 credits recommended)**

- R699 (1-3 credits): Specialist Project in Instructional Systems Technology
  - AND
- R686 (3-6 credits): Internship in Instructional Systems Technology
  - OR
- R586 (1-3 credits): Practicum in Instructional Systems Technology
  - OR
- Integrated Work Experience
  - R590 (1-3 credits): Independent Study in Instructional Systems Technology
  - OR
  - R681 (3 credits): Instructional Project Development
- OR
- Demonstrated successful practical work experience prior to or during the program, reviewed and approved by the advisory committee

---

### **TOTAL (65 CREDITS)**

### **Capstone Project**

A substantial project constitutes the culmination of the Ed.S. program in IST. A written project report describing the project is required.

- The project can originate from coursework or field experience.
- The project may be carried out for course credit (**e.g. R586 or R699**) or **outside of any course**.
- It must be a client oriented project
- Examples of types of projects include:
  - Applied research
  - Change management/facilitation
  - Evaluation
  - Needs analysis
  - Product design/development
  - Survey
- Project report is not to exceed 50 pages plus appended materials.
- A separate reflection paper must be appended to the project report.

### **Portfolio Certificate**

A portfolio must be developed and submitted for examination to the IST Department for review and approval. The portfolio will present two sets of information in an organized fashion.

The first will include products developed by the student. The Capstone project report may be, but is not required to be, included. Additional products developed by the student in other research or development courses, via practicums and internships, in conjunction with a graduate assistantship, etc. may also be included.

The second set of information will consist of the following four items: (1) a completed program of studies form, (2) a statement of the student's career goals, (3) a professional resume, and (4) a listing of professional references.

## **Final Meeting**

A final meeting of the advisory committee is required. The student's program of studies is reviewed and the student presents his/her final project report and reflection paper. The suggested meeting agenda follows:

- Program advisory committee meets to decide on readiness of the student for the final meeting.
- Student orally presents the project report and reflection paper (30 to 40 minutes)
  - What, why, when, and how of the project
  - Strengths and limitations of the project
  - Lesson learned
- Question and answer session (15-20 minutes)
- Faculty make pass/fail decision.

If the committee is satisfied that all program requirements have been successfully completed, the student is recommended for graduation.