GRADUATE CERTIFICATE PROGRAM

K-12 TECHNOLOGY INTEGRATION

SUBMITTED BY
DEPARTMENT OF CURRICULUM AND INSTRUCTION
COLLEGE OF EDUCATION
PURDUE UNIVERSITY
WEST LAFAYETTE CAMPUS

RECEIVED IN THE GRADUATE SCHOOL
5/27/11
FINAL REVISIONS RECEIVED
9/27/11
New Certificate Program  
K-12 Technology Integration

I. General Information

a. Title of the proposed certificate program.
K-12 Technology Integration

b. A statement describing the purpose of the program, including the need for it, the target audience, the number of students expected to participate in the program, and the relation to relevant existing certificate programs, if any. This statement should also indicate what fraction of the students who are expected to participate in the program will also be concurrently working toward a graduate degree at Purdue.

The purpose of this certificate program is to provide pre-service, in-service teachers, school administrators, technology coordinators/specialists, and instructional designers and researchers with the knowledge and skills necessary to successfully integrate technologies into K-12 classroom settings. The students in the certificate program will be able to identify and utilize various types of emerging technologies and its applications for K-12 classroom settings. These skills are essential with the growing interest in and needs for utilization of technologies within content disciplines (e.g., National Science Education Standards and National Council of Teachers of Mathematics Standards) and across the disciplines (e.g., 21st Century Skills). This certificate will be offered primarily within M.S. Degree in Education offered in the Department of Curriculum and Instruction and additionally within other degree programs in the College of Education.

The number of candidates who will likely participate in the program is approximately 15 per year for the Online M.S. Degree program and 5 per year for the campus degree programs including M.S. Degree and Ph.D. Degree program in the Department of Curriculum and Instruction and the Department of Educational Studies. It is likely that this number will increase as the program continues. It is expected that 80% of the students participating in this program will also be concurrently working toward a graduate degree at Purdue.

c. Proposed date of initiation of the certificate program.
Spring 2012

d. Whether certificate is graduate or postbaccalaureate.
This is a graduate certificate.

II. Admission Requirements

A. Items which are specified by the Graduate School
1. Bachelors degree from an accredited institution.
2. Minimum undergraduate GPA of 3.0/4.0 with the possibility of conditional admission for applicants who do not meet this requirement.
3. Minimum TOEFL score of 550 or higher on the paper-based test, 213 or higher on the computer-based test, or 77 or higher on the Internet-based test (iBT) for applicants whose native language is not English, with the possibility of allowing exceptions, including substitution of alternate criteria. Applicants who take the TOEFL iBT must achieve the following minimum test scores, in addition to the overall required score of at least 77: reading, 19; listening, 14; speaking, 18, and writing, 18. Applicants taking the TOEFL iBT must achieve the following minimum test scores, in addition to the overall required score of at least 77: reading, 19; listening, 14; speaking, 18, and writing, 18. Applicants taking the IELTS must score at least 6.5 on the Academic Module.

B. Items which are left to the discretion of the graduate program responsible for the certificate, but which must be specified in the proposal for the certificate program

1. Students who are currently admitted to the M.S. Degree program in Education in the Department of Curriculum and Instruction are eligible to earn a certificate. Students in other graduate and postbaccalaureate programs may complete the certificate if it is not in their field of study.

III. Completion Requirements

A. Items which are specified by the Graduate School

1. The certificate requires 9 credit hours, taken for a letter grade, which may be applied toward a graduate degree.
2. Courses that have been certified as undergraduate excess may be used to satisfy requirements for a certificate.

B. Items which are left to the discretion of the graduate program responsible for the certificate, but which must be specified in the proposal for the certificate program

1. Total number of credit hours required: 9
2. Total number of credit hours that must be taken for a letter grade: 9
3. Specific course requirements

   (1) EDCI 56400: Integration and Management of Computers In Education (a course on key foundations and critical issues related to integrating computers in educational environments);
   (2) EDCI 56600: Educational Applications of Hypermedia (a course on the fundamentals in the design, development, and evaluation of open-ended, nonlinear computer-based applications in educational settings);
   (3) EDCI 56800: Educational Applications of the Internet (a course that provides an in-depth look at the Internet as a tool for teaching and learning, with focus on student-centered learning activities and environments)

Ideal Progression:
<table>
<thead>
<tr>
<th>Year and Semester</th>
<th>Course</th>
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<tbody>
<tr>
<td>Year 2 (Fall Semester)</td>
<td>EDCI 56400: Integration and Management of Computers In Education (3 cr.)</td>
</tr>
<tr>
<td>Year 2 (Spring Semester)</td>
<td>EDCI 56800: Educational Applications of the Internet (3 cr.)</td>
</tr>
<tr>
<td>Year 2 (Summer Semester)</td>
<td>EDCI 56600: Educational Applications of Hypermedia (3 cr.)</td>
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</tbody>
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4. GPA requirements
a. Minimum overall GPA for courses that are to be used to fulfill certificate requirements. Only courses taken for a letter grade may be included in this computation: **GPA of 3.0/4.0**
b. Minimum grade for any course to be applied toward the certificate: **B**

5. Maximum number of credits that may be transferred from another institution: **Zero**

6. Maximum number of credits from courses taken as undergraduate excess that may be used toward the certificate: **3**

7. Maximum time allowed for completion of the certificate: **Three years**

8. Whether or not courses may be applied for credit toward more than one certificate. **No**

The Graduate School considers a certificate to signify competence in a particular area of study, and recognizes that such areas may overlap. On the other hand, there may be some courses for which it would not be appropriate to allow credit toward more than one certificate. Such restrictions, if any, should be stated.

9. Number of credit hours taken prior to admission to the certificate program that may be counted toward completion of the certificate: **6**

**IV. Administration**

*A. Items which are specified by the Graduate School*

1. Admission process - The admission process will parallel that for degree-seeking students at the graduate level.

2. To facilitate tracking of students who are enrolled in certificate programs, the Office of the Registrar will establish a special admission status for such individuals.

3. When a student completes requirements for a certificate, the graduate program responsible for that certificate will notify the Graduate School. The Graduate School will then notify the Office of the Registrar.

4. Transcripting
a. Will be consistent for all graduate certificate programs throughout the Purdue system.
b. Each certificate earned will be posted separately upon completion of the requirements.
c. Graduate certificates will be recorded in the following manner:

GRADUATE CERTIFICATE
MAJOR: Curriculum & Instruction
CONCENTRATION: K-12 Technology Integration

d. Credits earned toward a certificate will be included in the computation of the overall GPA posted on the transcript.

5. The certificate, itself, will be printed by the Office of the Registrar. All certificates under the purview of the Graduate School that are awarded by Purdue University will share a common format and style.

6. The certificate will be awarded jointly by the appropriate academic unit and the Graduate School. It will bear the signature of the head of the academic unit and the dean of the Graduate School.

7. Certificates will be awarded at the normal times when degrees are awarded.

8. The academic unit (College of Education) offering the certificate will submit an annual report to the Graduate Council containing the following information:
   a. the number of students currently admitted to the certificate program
   b. for each admitted student: date admitted, whether or not the student is also currently admitted to a degree program at Purdue, and if so, which degree number of credits completed toward fulfillment of certificate requirements
   c. the number of certificates awarded annually

The Office of the Registrar will assist in generating this information.

B. Items which are left to the discretion of the graduate program responsible for the certificate, but which must be specified in the proposal for the certificate program

1. Process for certifying completion of requirements. This audit process will be the full responsibility of the academic unit awarding the certificate. (See Item IV.A.3 above for communications requirements.) The Office of Graduate Studies in the College of Education will complete the audit.

2. Dissemination of the certificate i.e., Where does it go from the Office of the Registrar? The certificate should go to the Office of Graduate Studies in the College of Education.