

**Cover/Signature Page - Abbreviated Template/Abbreviated Template with Curriculum**

Institution Submitting Request: Utah Valley University  
 Proposed Title: Elementary Mathematics Endorsement Program  
 School or Division or Location: School of Education  
 Department(s) or Area(s) Location: Graduate Studies  
 Recommended Classification of Instructional Programs (CIP) Code<sup>5</sup> (for new programs): 13.0301  
 Proposed Beginning Date (for new programs): Fall 2014  
 Institutional Board of Trustees' Approval Date: Pending

Proposal Type (check all that apply):

| <b>Regents' General Consent Calendar Items</b>                            |   |
|---|---|
| <i>R401-5 UCHE Review and Recommendation; Approval on General Consent</i> |   |
| <b>SECTION NO.</b>  | <b>ITEM</b>   |
| 5.1.1   | Minor*  |
| 5.1.2   | Emphasis*   |
| X   | Endorsements, K-12 Teaching                               |
| 5.2.1   | Certificate of Proficiency*                               |
| 5.2.3   | Graduate Certificate*                                     |
| 5.4.1   | New Administrative Unit                                   |
|   | Administrative Unit Transfer                              |
|   | Administrative Unit Restructure                           |
|   | Administrative Unit Consolidation                         |
| 5.4.2   | New Center  |
|   | New Institute   |
|   | New Bureau  |
| 5.5.1   | Out-of-Service Area Delivery of Programs                  |
| 5.5.2   | Program Transfer  |
|   | Program Restructure                                       |
|   | Program Consolidation                                     |
| 5.5.3   | Name Change of Existing Programs                          |
| 5.5.4   | Program Discontinuation                                   |
|   | Program Suspension  |
| 5.5.5   | Reinstatement of Previously Suspended Program             |
|   | Reinstatement of Previously Suspended Administrative Unit |

\*Requires "Section V: Program Curriculum" of Abbreviated Template

**Chief Academic Officer (or Designee) Signature:**

I certify that all required institutional approvals have been obtained prior to submitting this request to the Office of the Commissioner.

\_\_\_\_\_  
Signature

Date:

Printed Name: Ian Wilson

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**Program Request - Abbreviated Template**  
**Utah Valley University**  
**Elementary Mathematics Endorsement Program**  
**01/31/2013**

**Section I: Request**

Utah Valley University, School of Education, requests permission to offer an endorsement in Elementary Mathematics effective Fall 2014.

**Section II: Need**

The Utah Valley University Elementary Mathematics Endorsement program is designed to prepare teachers to be more accomplished in mathematical content knowledge. Coursework is designed to increase the content knowledge in mathematics for elementary teachers and to introduce research-based methods and materials for engaging elementary students in mathematical learning. The UVU endorsement program is intended to provide educators with an opportunity to develop, expand, and integrate their knowledge of content and pedagogy for math education.

Increased demands from state and federal policy makers for expanding the teaching of mathematics in elementary classrooms call for a corresponding increase in opportunities for teacher education. UVU's courses have been designed to meet the needs of practicing teachers who want to increase their professional knowledge of mathematics and obtain an elementary math endorsement on their teaching license. They are available at UVU and at selected school district sites. Similar programs are offered at other state institutions, but UVU is the only public institution in Utah County with these classes available.

**Section III: Institutional Impact**

The proposed program may slightly increase enrollments in the instructional programs of the School of Education; however, there should be no appreciable increase in cost to the University. These classes are similar to 6000-level courses currently available from the UVU School of Education, although, the 5000-level courses are altered to better meet the needs of practicing teachers. Students enrolled in these courses are taught by existing tenured and/or adjunct faculty within the School of Education, as well as adjunct faculty members who are funded by participating school districts. The courses are administered by the School of Education's coordinator of graduate studies. No new physical facilities or modifications to existing facilities will be required, and no specialized equipment is required.

**Section IV: Finances**

Very few new costs are anticipated from this change. As noted above, funding will come from the existing budgets of the School of Education or local school districts to cover the cost of instruction.

## Section V: Program Curriculum

All Program Courses (No new courses have been added.)

| Course Prefix and Number *     | Title  | Credit Hours |
|--------------------------------|--|--------------|
| <b>Required Courses</b>        |  |              |
| EDUC 5500 or<br>EDUC 6500      | Teaching K-8 Numbers and Operations for Practitioners<br>Teaching K-8 Numbers and Operations   | 3            |
| EDUC 5510 or<br>EDUC 6510      | Teaching K-8 Rational Numbers and Proportional Reasoning for Practitioners<br>Teaching K-8 Rational Numbers and Proportional Reasoning | 3            |
| EDUC 5520 or<br>EDUC 6520      | Teaching K-8 Algebraic Reasoning for Practitioners<br>Teaching K-8 Algebraic Reasoning   | 3            |
| EDUC 5530 or<br>EDUC 6530      | Teaching K-8 Geometry and Measurement for Practitioners<br>Teaching K-8 Geometry and Measurement                                       | 3            |
| EDUC 5540 or<br>EDUC 6540      | Teaching K-8 Data Analysis and Problem Solving for Practitioners<br>Teaching K-8 Data Analysis and Problem Solving                     | 3            |
| EDUC 5550 or<br>EDUC 6550      | Teaching K-8 Assessment and Intervention for Practitioners<br>Teaching K-8 Assessment and Intervention                                 | 3            |
| <b>Elective Courses</b>        | none   |              |
| <b>Total number of credits</b> |  | 18           |

\*6000 level courses are for students who are matriculated into the M.Ed. program. The 6000 level courses descriptions and assignments include greater emphasis on theoretical, empirical, and historical information as it is related to classroom practice.

### Program Schedule

Please note that the program schedules for 5000 level classes vary a great deal as these courses are taught at school district sites. The schedule noted here is only applicable to classes taught at UVU.

| Semester | Prefix/number  | Title  | Semester hours |
|----------|----------------|--|----------------|
| Summer   | EDUC 5500/6500 | Teaching K-8 Numbers and Operations                      | 3              |
|          | EDUC 5520/6520 | Teaching K-8 Algebraic Reasoning                         | 3              |
|          | EDUC 5530/6520 | Teaching K-8 Geometry and Measurement                    | 3              |
| Fall     | EDUC 5530/6530 | Teaching K-8 Geometry and Measurement                    | 3              |
| Spring   | EDUC 5510/6510 | Teaching K-8 Rational Numbers and Proportional Reasoning | 3              |
|          | EDUC 5550/6550 | Teaching K-8 Assessment and Intervention                 | 3              |