## INSTITUTIONS WHOSE PROGRAMS MEET THE FOLLOWING CONDITION(S) SHOULD USE THIS APPLICATION:

(Submission of data with this application is inapplicable. Alignment approval is required before data can be submitted with the "Continuing Application".)
Please check the area below that applies:
a. New program to Educator Preparation Unit
b. Program previously determined not recognized
c. Program previously dropped or put on hiatus
d. Program previously determined recognized with conditions by a SPA with conditions other than data
e. Program resubmitting for initial approval due to revised standards
f. Program resubmitting due to significant changes within the program

## Review Criteria

- Program alignment to standards


## Recognition Decisions

- Approved with Conditions - Program is aligned to all content standards and must resubmit program within 24 months with the required data.
- Further Development Required - Program does not align to all content standards and/or required documentation is not included. Program is not approved to admit candidates.

1. University:
2. Program Name:

## Program

3. Compiler:

## Date of

4. Submission:

# 5. ACCREDITED EDUCATOR PREPARATION PROVIDERS SEEKING TO ADD A NEW PROGRAM TO CURRENT CERTIFICATION OFFERINGS MUST SUBMIT THE FOLLOWING DOCUMENTATION: 

Letter of approval or other appropriate documentation that indicates the program proposal has the approval of all institutional and state (in case of state institutions) governing boards.Letter explaining the rationale for adding the program
Section 5 completion is required for new programs only.

## 6. ALL PROGRAMS SHOULD ATTACH THE FOLLOWING ITEMS:

$\square$ Program Plan of Study that provides:

- Coursework required of all candidates
- Clear information about the sequence in which candidates take courses
- Description of required field experiences/student teaching to include number of hours


## 7. IDENTIFY THE COURSES (FROM THE PLAN OF STUDY) AND COURSE DESCRIPTIONS THAT ADDRESS THE STANDARDS IN THE CHART BELOW:



| Standard | Course(s) |  |
| :--- | :--- | :--- |
| 1c) Essential Concepts in Calculus. |  | Course Description(s) |
| Candidates demonstrate and apply |  |  |
| understandings of major mathematics |  |  |
| concepts, procedures, knowledge, and |  |  |
| applications of calculus including the |  |  |
| mathematical study of the calculation of |  |  |
| instantaneous rates of change and the |  |  |
| summation of infinitely many small factors to |  |  |
| determine some whole. |  |  |



| Standard | Course(s) |  |
| :--- | :--- | :--- |
| 3a) Student Diversity <br> Candidates identify and use students' <br> individual and group differences to plan <br> rigorous and $\quad$ engaging mathematics |  |  |
| instruction that supports students' |  |  |
| meaningful participation and learning. |  |  |$\quad$|  |
| :--- |
| 3b) Students' Mathematical Strengths <br> Candidates identify and use students' <br> mathematical strengths to plan rigorous and <br> engaging mathematics instruction that |
| supports students' meaningful participation |
| and learning. |


| Standard | Course(s) |  |
| :--- | :--- | :--- |
| students based on mathematics standards <br> and practices. |  | Course Description(s) |
| 4b) Engage Students in High Cognitive <br> Demand Learning. Candidates select or <br> develop and implement high cognitive <br> demand tasks to engage students in <br> mathematical learning experiences that <br> promote reasoning and sense making. |  |  |
| 4c) Incorporate Mathematics-Specific Tools. <br> Candidates select mathematics-specific <br> tools, including technology, to support <br> students' learning, understanding, and <br> application of mathematics and to integrate <br> tools into instruction. |  |  |
| 4d) Use Mathematical Representations. <br> Candidates select and use mathematical <br> representations to engage students in <br> examining understandings of mathematics <br> concepts and the connections to other <br> representations. |  |  |
| 4e) Elicit and Use Student Responses. <br> Candidates use multiple student responses, <br> potential challenges, and misconceptions, <br> and they highlight students' thinking as a <br> central aspect of mathematics teaching and <br> learning. |  |  |
| 4f) Develop Conceptual Understanding and <br> Procedural Fluency. Candidates use <br> conceptual understanding to build <br> procedural fluency for students through |  |  |


| Standard | Course(s) |  |
| :--- | :--- | :--- |
| instruction that includes explicit connections <br> between concepts and procedures. |  |  |
| 4g) Facilitate Discourse. Candidates pose <br> purposeful questions to facilitate discourse <br> among students that ensures that each <br> student learns rigorous mathematics and <br> builds a shared understanding of <br> mathematical ideas. |  |  |
| Standard 5: Assessing Impact on Student Learning <br> Candidates assess and use evidence of students'learning of rigorous mathematics to improve instruction and <br> subsequent student learning. Candidates analyze learning gains from formal and informal assessments for <br> individual students, the class as a whole, and subgroups of students disaggregated by demographic <br> categories, and they use this information to inform planning and teaching. |  |  |
| 5a) Assessing for Learning. Candidates <br> select, modify, or create both informal and <br> formal assessments to elicit information on <br> students' progress toward rigorous |  |  |
| mathematics learning goals. |  |  |


| Standard | Course(s) |  |
| :--- | :--- | :--- |
| categories to analyze the effectiveness of <br> their instruction with respect to these groups. <br> Candidates propose adjustments to <br> instruction to improve student learning for <br> each and every student based on the analysis. |  |  |
| Standard 6: Social and Professional Context of Mathemations Teaching and Learning <br> Candidates are reflective mathematics educators who collaborate with colleagues and other stakeholders to <br> grow professionally, to support student learning, and to create more equitable mathematics learning <br> environments. |  |  |
| 6a) Promote Equitable Learning <br> Environments |  |  |
| Candidates seek to create more equitable <br> learning environments by identifying beliefs <br> about teaching and learning mathematics, <br> and associated classroom practices that <br> produce equitable or inequitable |  |  |
| mathematical learning for students. |  |  |$\quad$|  |  |
| :--- | :--- |
| 6b) Promote Mathematical Identities <br> Candidates reflect on their impact on <br> students' mathematical identities and <br> develop professional learning goals that <br> promote students positive mathematical <br> identities. |  |
| 6c) Engage Families and Communities. <br> Candidates communcate with families to <br> share and discuss strategies for ensuring the <br> mathematical success of their children. |  |
| 6d) Collaborate with Colleagues. Candidates <br> collaborate with colleagues to grow |  |


| Standard | Course(s) | Course Description(s) |
| :---: | :---: | :---: |
| professionally and support student learning of mathematics |  |  |
| Standard 7: Secondary Field Experiences and Clinical Practice <br> Effective teachers of secondary mathematics engage in a planned sequence of field experiences and clinical practice in diverse settings under the supervision of experienced and highly qualified mathematics teachers. They develop a broad experiential base of knowledge, skills, effective approaches to mathematics teaching and learning, and professional behaviors across both middle and secondary settings that involve a diverse range and varied groupings of students. Candidates experience a full-time student teaching/internship in secondary mathematics supervised by university or college faculty with secondary mathematics teaching experience or equivalent knowledge base. |  |  |
| 7a) Design of Field Experiences and Clinical Practice. Candidates participate in a diverse range of field experiences and clinical practice in both middle grade and secondary settings with highly qualified mathematics teachers. (Evidence from Section I, Context 1 and 2) |  |  |
| 7b) Supervision of Field Experiences. Supervisors for the full-time student teaching/internship in secondary mathematics have secondary mathematics teaching experience or equivalent knowledge base. (Evidence from Section I, Context 1, 2 and 6.) |  |  |

