



**University of Houston**  
Houston, Texas  
College of Education



**2010 OVERALL TEACHER PREPARATION PROGRAM DESIGN**

The overall design of this institution’s teacher preparation is poor, with the elementary teacher preparation program needing urgent attention. Most notably, the curriculum for teaching elementary and special education teacher candidates how to teach reading and mathematics is deficient. Because some of the data that we collect is drawn from public sources, we always ask the institution to verify the accuracy and currency of what we have collected. The University of Houston declined to review and comment.

**Admission Standards**

1. Admits teacher candidates with strong academic records ●

+ Rationale    + Methodology    + State findings

The standards for admission either into the institution or its teacher preparation program should select teacher candidates from only the top half of the college population.  
*Because the University of Houston is only rated as “selective” in its admissions by U.S. News and World Report, NCTQ also checked the entrance criteria for admission into its College of Education. While the college commendably exceeds the state’s minimum cut-score for the reading portion of the THEA (a test of college readiness), it does not do so for the mathematics portion of the test, and therefore does not fully meet this standard.*

**Elementary Teacher Program**

2. Prepares teacher candidates to teach reading

a. Extent to which the science of reading is covered ●

+ Rationale    + Methodology    + State findings

The research-based content proven to be necessary for teaching all children to read should be clearly evident in course materials such as lecture topics, assignments and textbooks.  
*The institution only partially meets the standard because the program does not provide adequate preparation in the science of reading. Only phonics and comprehension are addressed in required coursework. We identified two required textbooks that did not support reading science.*

b. Adherence to science of reading throughout coursework NA

+ Rationale    + Methodology    + State findings

All of an institution’s required reading courses — not just some courses — should impart the research-based content that is necessary for teaching all children to read.  
*Because we could discern little evidence of the science of reading being taught in either a single comprehensive course or in a combination of multiple courses (see standard #2a), any further rating on this standard is irrelevant.*

Ratings: ● Meets standard    ● Nearly meets standard    ● Partly meets standard    ● Meets a small part of standard    ○ Fails to meet standard  
? Data insufficient for a final rating    ⊘ Data withheld despite request    NA Not applicable    2011 Evaluation pending    NR Not rated

**3. Prepares teacher candidates to teach mathematics** ○

[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

Teacher candidates, even those who excel in math, generally require three semesters of coursework in order to progress from a procedural to a conceptual understanding of the essential mathematics topics taught in the elementary grades.

*The institution does not meet this standard because although it requires that its teacher candidates take considerable coursework in mathematics, it does not require coursework that is designed to develop their conceptual understanding of elementary mathematics topics.*

**4. Educates teacher candidates in the broad content areas relevant to elementary teaching** ○

[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

Because they cannot teach what they do not know, teacher candidates need to have a solid grasp of literature and composition; American history, world history, art history and music history; geography; and science.

*The institution does not meet this standard because neither the institution nor its teacher preparation program ensures sufficient coverage in the content elementary teachers need (including world/American literature, world history, world geography, science, art history and music history). Our conclusion took into consideration art and music courses designed specifically for teacher candidates.*

**5. Requires an area of concentration so that teacher candidates develop content expertise and have a second career option** ○

[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

Teacher candidates should develop some expertise outside of their professional studies, not only to enrich their own academic experience, but also to serve as a fallback major in the event that the student teaching experience goes poorly.

*The institution does not meet this standard because we could find no evidence of any sort of subject matter concentration. Should a teacher candidate fail student teaching, she would face well more than an additional semester's work to be able to graduate under a non-education major.*

**6. Offers all required courses at least once a year** ●

[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

It must be possible to complete the requisite program in a timely manner.

*The institution fully meets this standard because it offers all required courses each year.*

**7. Prepares teacher candidates for the profession** ?

[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

The well-documented ineffectiveness of first year teachers may be mitigated by professional preparation that includes coursework on classroom management, methods for teaching specific content and diverse learners, child development, assessment and data driven instruction, and how education policy challenges affect practice.

*Because we could only gain access to course descriptions for this standard rather than syllabi, we did not rate this standard. However, we were able to complete an accurate count of the credit hours in professional coursework that the institution requires, and it appears to be well above typical counts. The institution requires 63 hours of professional coursework (not including student teaching), well exceeding the generous upper bound of 50 credits that should be sufficient. Furthermore, in spite of this count, we believe we are able to identify education policy challenges as a key professional topic inadequately addressed in this sequence.*




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**8. Student teaching effectively prepares teacher candidates for the challenges of the classroom** 2011


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[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

Although there are a number of characteristics that define a high quality student teaching program, at a minimum a full-time, full-semester clinical experience is necessary.

*The institution meets this minimal standard as it offers a full semester of full-time student teaching.*

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**Secondary Teacher Program**


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**9. Prepares high school teacher candidates to teach their subject area(s)** ?


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[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

All children deserve to have teachers who are well versed in each and every one of the subjects they teach, regardless of teacher shortages.

*The rating for this standard is unclear. While a major appears to be required in a number of secondary certification areas, course requirements for certification in composite areas (science, social studies and physical science) are not available.*

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**10. Prepares middle school teacher candidates to teach their subject area(s)** ○


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[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

All children deserve to have teachers who are well versed in each and every one of the subjects they teach, regardless of teacher shortages.

*The institution does not meet this standard because of a flawed program design for the "middle school subject specialist." The institution should not qualify a middle school teacher to teach science without requiring either a major in a science discipline or a combination of courses equivalent to a major that would include at least a minor in one discipline.*

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**11. Offers all required courses (high school certification) at least once a year** ●


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[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

It must be possible to complete the requisite program in a timely manner.

*The institution meets this standard because it offers all required courses each year.*

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**12. Prepares high school teacher candidates for the profession** ?


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[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

The well-documented ineffectiveness of first year teachers may be mitigated by professional preparation that includes coursework on classroom management, methods for teaching specific content and diverse learners, adolescent development, assessment and data driven instruction, and how education policy challenges affect practice.

*Because we could only gain access to course descriptions for this standard rather than syllabi, we did not rate this standard. However, our limited examination of course requirements and descriptions suggests that the institution potentially appears to give inadequate attention to a number of essential professional topics for the secondary teacher, such as 1) assessment, 2) teaching diverse learners, and 3) education policy challenges.*

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**13. Student teaching effectively prepares high school teacher candidates for the challenges of the classroom** 2011


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[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

Although there are a number of characteristics that define a high quality student teaching program, at a minimum a full-time, full-semester clinical experience is necessary.

*The institution meets this minimal standard as it offers a full semester of full-time student teaching.*

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Ratings: ● Meets standard   ● Nearly meets standard   ● Partly meets standard   ● Meets a small part of standard   ○ Fails to meet standard  
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## Special Education Teacher Program

### 14. Prepares teacher candidates to teach early reading ●

[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

All special education teachers, regardless of whether they are teaching toddlers or teenagers, need coursework in the research-based strategies shown to dramatically reduce the number of children needing remediation in reading. *The institution only partially meets the standard because the program does not provide adequate preparation in the science of reading. Only phonics and comprehension are addressed in required coursework.*

### 15. Prepares teacher candidates to teach elementary mathematics ○

[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

Special education teachers, regardless of whether they are teaching toddlers or teenagers, generally need three semesters of coursework in order to progress from a procedural to a conceptual understanding of fundamental mathematics topics. *The institution does not meet this standard because although it requires that its teacher candidates take considerable coursework in mathematics, it does not require coursework that is designed to develop their conceptual understanding of elementary mathematics topics.*

### 16. Offers all required courses at least once a year ●

[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

It must be possible to complete the requisite program in a timely manner. *The institution meets this standard because all required courses are offered each year.*

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## Outcomes

### 17. Systematically seeks and uses feedback on graduates from school districts ?

### 18. Utilizes available data systems to monitor performance of graduates ?

[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

Mirroring a similar commitment now found in K-12 education, higher education institutions must embrace data driven decision making and accountability in preparing teachers. *The ratings for these standards are unclear. The Houston Independent School District did not respond to our survey regarding the institution's commitment to looking at data on its graduates.*

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## Institutional Features

### 19. Assigns faculty to teach in their area of expertise ●

[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

Only the most extreme examples of unsuitable assignments are noted, such as an instructor teaching both reading and mathematics methods. *The institution meets this standard as we could find no evidence of faculty being inappropriately assigned.*

### 20. Offers grade-span specific coursework as appropriate ●

[+ Rationale](#)   [+ Methodology](#)   [+ State findings](#)

A single class with curriculum addressing students from preschoolers to high school seniors cannot adequately prepare both elementary and secondary teacher candidates in areas such as classroom management or instructing students with disabilities. *The institution meets this standard, assuming that multiple sections of a common course allow for separate classes for elementary and secondary candidates on topics benefiting from age-specific approaches.*




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**21. Ensures that teacher candidates are prepared to teach in a global society** NR


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[+ Rationale](#)    [+ Methodology](#)    [+ State findings](#)

The world has shrunk. Recognition of that fact should pervade the campus.

*Because this standard is still in a developmental phase, we do not provide an institutional rating and our findings should only be viewed as exploratory. We were unable to identify much in the way of coursework, required or elective, or other institutional characteristics, such as an opportunity to study abroad or a high proportion of foreign students, that would more fully prepare the institution's graduates to teach in a global society.*

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**Exit Standards**

Either state licensure standards are adequate or the institution sets a higher standard for program completion than licensure requires

If the state fails to establish rigorous licensure requirements, institutions are still obligated to ensure that their graduates meet high standards. For example, if the state does not require a licensure test that measures candidates' knowledge of every subject taught, institutions must fill this vacuum.

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**22. Elementary (EC-4/EC-6)** ○


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[+ Rationale](#)    [+ Methodology](#)    [+ State findings](#)

*The institution does not meet this standard because it relies only on the state's licensing test, the TExES elementary generalist test, to determine if its elementary teacher candidates possess adequate knowledge of reading instruction, as well as content knowledge in four subject areas. This test is wholly inadequate—both because of its low level of rigor and the lack of separate cut-scores for each subject. Recognizing that action on the part of the state to remedy these deficiencies is needed, the institution could require a more meaningful test of reading instruction and insist that its teacher candidates pass assessments in each of four subject areas.*

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**23. Middle School (Grades 4-8)** ●


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[+ Rationale](#)    [+ Methodology](#)    [+ State findings](#)

*The institution meets this standard because it only qualifies middle school teacher candidates for certification in areas for which the TExES licensing tests appear to be adequate.*

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**24. Secondary (Grades 8-12)** ●


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[+ Rationale](#)    [+ Methodology](#)    [+ State findings](#)

*The institution does not fully meet this standard. Acknowledging that flawed state regulation is the principal culprit for the prevalence of poor design of some secondary programs across the state, the institution should not qualify secondary teacher candidates to teach multiple subjects by means of a "composite subjects" certification (e.g., preparing a teacher to teach "science" instead of chemistry, biology, physics and/or earth science). The institution could remedy the state's regulatory deficiency by requiring candidates to pass content assessments in each subject for exit.*

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