The Transmogrification of Teacher Education

If asked to name the largest teacher education programs in America, most of us would probably mention a research institution with a large student body, such as University of Texas at Austin, Ohio State University, University of Minnesota, University of Florida, or Arizona State University. In actuality, these universities have the five largest enrollments in the country (U.S. Department of Education, 2004, p. 276). Despite their size, none of these universities (nor any of the largest 50 institutions) can touch the enrollments of the five largest graduate programs in education in the nation—University of Phoenix, National University, Walden University, Nova Southeastern University, and Capella University (U.S. World and News Report, 2005, p. 59) who have a combined enrollment of 40,000 or so students. The commonality among these five institutions, of course, is that they are all Internet-based, independent, and highly profitable.

Over the past ten years, I have had a vague notion that teacher education was being transformed by a number of trends—the streamlining of undergraduate degree programs, a strong emphasis on testing, the surge in alternative certification, and the proliferation of distance-education degree programs. To assess the status of teacher education in the early 21st century, I reviewed data on programs from the more than 1,000 institutions and NUCPs (Non-University Certification Programs) that certify teachers in the United States.

However, examining the gritty details of certification across the broad spectrum of grade levels—from kindergarten to high school—and subject areas—from physical education to physics—across states and institutions seemed unwieldy. After some consideration, I decided to use English Education as an exemplar of changes in teacher certification. I reasoned that, unlike mathematics, science, bilingual education, and special education, English Education is not a "high needs" certification area, thus there would seem to be less urgency for alternative or emergency certifications in English. Using this logic, I surmised that trends in English Education might be comparable to developments in Social Studies Education, but would probably understate the situations in science, mathematics, bilingual and special education.

Disparities in Teacher Certification among States

According to Sections 207 and 208 of the Higher Education Act, states must report annually on the performance of candidates in teacher preparation programs in institutions within its borders. This information has been made public in an online database at www.title2.org.

Many state departments of education have responded to the new requirements of the Higher Education Act by assessing teacher competence in three areas: basic skills, professional practice, and knowledge of English content. Some states have mandated tests in all three areas; other states only test in one or two areas. Maine and Nebraska require only a basic skills test; Montana and Iowa require no exams at all. States have the authority to determine how teacher performance is assessed.

All states who test prospective teachers, except Florida and Michigan (who administer and score their own exams), outsource the assessments. Educational Testing Services (ETS) is the most popular provider of tests (the PRAXIS series), though some states use National Evaluation Services (NES). Table 1 provides the information on teacher testing in the content areas for each state. A blank means that the state does not require a test to demonstrate competence in the area. Cutoff scores for English content are given to show the disparities in requirements among the states—from a low of 142 on PRAXIS II in Washington D.C. to a high of 172 on PRAXIS II in Connecticut.

Table 1: Certification Requirements for Secondary English by State

Institution	Basic Skills Exam	Professional Practice	English Content Area
	Administrator (if PPST—	Exam	Exam
	Passing Scores for Reading/Writing/ Mathematics)	Administrator, and Passing Score	Administrator, and Passing Score
Alabama	APTTP (Alabama Prospective Teacher Training Program) Applied Mathematics, Reading for Information, and Writing assessments from the ACT WorkKeys System		PRAXIS II 10041=151
Alaska	ETS PPST=175/174/173		Not required, unless adding additional teaching area, then PRAXIS II English tests 10041=158, 20042=160
Arizona		NES AEPA (Arizona Educator Proficiency Assessment,), waived for teachers with three or more years of experience	NES English Content area exam, Passing=240 (Range=100-300). Working on a performance exam for a permanent license.
Arkansas	ETS PPST=172/173/171	ETS PLT 30524=164	ETS PRAXIS II tests 10042=159 20042=150 30043=145
California	NES Pass CBEST (California Basic Education Skills Test)		NES CSET (California Subject Exam for Teachers, replacing PRAXIS II as of 2005)=240
Colorado			PRAXIS II test 10041=162 OR NES PLACE (NES)

Connecticut	ETS		ETS
Connecticut	PPST=172/171/171		PRAXIS II tests
	1131-112/111/111		10041=172
			20042=160
Delaware	ETS		ETS
Delaware	PPST=175/173/174		PRAXIS II test
	PP31-113/113/114		10041=159
District of Oak makin	FTC		
District of Columbia	ETS		ETS
	PPST=172/171/174		PRAXIS II test
			10041=142
			30043=150
Florida	State of Florida	State of Florida	State of Florida
	General Knowledge Test	Test PEd: (Professional	SAE (Subject Area
	(GK)	Education)	Exam) in English for
			grades 6-12
Georgia	ETS		ETS
	PPST=176/176/174		PRAXIS II tests
	(waived with SAT>1000)		10041=168
	,		20042=155
Hawaii	ETS		ETS
	PPST=172/171/173		PRAXIS II tests
	, ,		10041=164
			30043=150
Idaho			ETS
raarro			PRAXIS II test
			10041=158
			10041-130
Illinois	NES	NES	NES
	ICTS Basic Skills test	ICTS APT (Assessment	ICTS English content
	(Illinois Certification	of Professional	exam, grades 9-
	Testing System)	Teaching)=240	12=240
Indiana	ETS System)	reaching)=240	ETS
IIIuiaiia			PRAXIS II test
	PPST=176/172/175		
Iowa			10041=153
IOWa			
Kansas		ETS	ETS
		PLT 30524=161	PRAXIS II test
			10041=required, but
			passing score yet to be
			determined
Kentucky	ETS	ETS	ETS
recreating	PPST=Minimum passing	PLT 30524=161	PRAXIS II tests
	scores set by	1 21 00024-101	10041=160
	institutions		20042=155
Louiciana	ETS	ETS	ETS
Louisiana			
	PPST=172/171/170	PLT 30524=161	PRAXIS II tests
			10041=160
	FTO		30043=130
Maine	ETS PDST=176/175/175		
Maryland	PPST=176/175/175 ETS		ETS
iviai yiai ia	PPST=177/173/177		PRAXIS II tests
	1131-11/113/111		10041=164
Magagahugatta	NEC		30043=155
Massachusetts	NES		NES

	Communication and		Subject Test in
	Literacy Skills		Secondary
			English=240
Michigan	NES		NES
	Basic skills		Secondary English
			MTTC (Michigan Test
			for Teacher
Minnesota	ETS	ETS	Certification)=240 ETS
Willinesota	PPST=173/172/171	PLT 30524=153	PRAXIS II test
	1101 110/112/111	12100021 100	10041=148
			(certification in
			Communication Arts &
			Lit, grades 5-12)
Mississippi	ETS	ETS	ETS
	PPST=170/172/169	PLT 30524=152	PRAXIS II test
			10041=157
Missouri			ETS DRAVIS II tost
			PRAXIS II test 10041=158 (English,
			grades 9-12)
Montana			8.4400 0 12)
Nebraska	ETS	State of Nebraska:	
	PPST=170/172/171	Human relations	
		training, special	
		education	
Nevada	ETS	competencies ETS	ETS
Nevaua		PLT 30524=161	PRAXIS II tests
ì			
	PPST=174/172/172	16130324-101	
	rr31-114/112/112	12130324-101	10041=150 30043=140
New Hampshire	ETS	11130024-101	10041=150
New Hampshire		11130324-101	10041=150 30043=140 ETS PRAXIS II tests
New Hampshire	ETS	11130024-101	10041=150 30043=140 ETS PRAXIS II tests 10041=164
·	ETS	11130324-101	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155
New Hampshire New Jersey	ETS	11130324-101	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS
·	ETS	11130024-101	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS PRAXIS II test
New Jersey	ETS PPST=174/172/172		10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS
·	ETS PPST=174/172/172	NES	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS PRAXIS II test 10041=162 NES
New Jersey	ETS PPST=174/172/172		10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS PRAXIS II test 10041=162
New Jersey New Mexico	PPST=174/172/172 NES NMTA Basic skills (New	NES NMTA Teacher competency=240	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS PRAXIS II test 10041=162 NES NMTA English Content Area=240
New Jersey	PPST=174/172/172 NES NMTA Basic skills (New Mexico Teacher Assessment) NES	NES NMTA Teacher competency=240	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS PRAXIS II test 10041=162 NES NMTA English Content Area=240
New Jersey New Mexico	PPST=174/172/172 NES NMTA Basic skills (New Mexico Teacher Assessment) NES Liberal Arts and	NES NMTA Teacher competency=240 NES Assessment of	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS PRAXIS II test 10041=162 NES NMTA English Content Area=240 NES Content Specialty Test
New Jersey New Mexico	PPST=174/172/172 NES NMTA Basic skills (New Mexico Teacher Assessment) NES Liberal Arts and Sciences Test	NES NMTA Teacher competency=240 NES Assessment of Teaching Skills	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS PRAXIS II test 10041=162 NES NMTA English Content Area=240
New Jersey New Mexico	PPST=174/172/172 NES NMTA Basic skills (New Mexico Teacher Assessment) NES Liberal Arts and	NES NMTA Teacher competency=240 NES Assessment of Teaching Skills (secondary)—Written	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS PRAXIS II test 10041=162 NES NMTA English Content Area=240 NES Content Specialty Test
New Jersey New Mexico New York	PPST=174/172/172 NES NMTA Basic skills (New Mexico Teacher Assessment) NES Liberal Arts and Sciences Test	NES NMTA Teacher competency=240 NES Assessment of Teaching Skills	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS PRAXIS II test 10041=162 NES NMTA English Content Area=240 NES Content Specialty Test
New Jersey New Mexico	NES NMTA Basic skills (New Mexico Teacher Assessment) NES Liberal Arts and Sciences Test (LAST)=220	NES NMTA Teacher competency=240 NES Assessment of Teaching Skills (secondary)—Written	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS PRAXIS II test 10041=162 NES NMTA English Content Area=240 NES Content Specialty Test (CST) in English=220
New Jersey New Mexico New York	PPST=174/172/172 NES NMTA Basic skills (New Mexico Teacher Assessment) NES Liberal Arts and Sciences Test (LAST)=220 ETS	NES NMTA Teacher competency=240 NES Assessment of Teaching Skills (secondary)—Written	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS PRAXIS II test 10041=162 NES NMTA English Content Area=240 NES Content Specialty Test (CST) in English=220
New Jersey New Mexico New York North Carolina	PPST=174/172/172 NES NMTA Basic skills (New Mexico Teacher Assessment) NES Liberal Arts and Sciences Test (LAST)=220 ETS PPST=176/173/173	NES NMTA Teacher competency=240 NES Assessment of Teaching Skills (secondary)—Written	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS PRAXIS II test 10041=162 NES NMTA English Content Area=240 NES Content Specialty Test (CST) in English=220 ETS PRAXIS II tests 10041+30043=321 combined score
New Jersey New Mexico New York	PPST=174/172/172 NES NMTA Basic skills (New Mexico Teacher Assessment) NES Liberal Arts and Sciences Test (LAST)=220 ETS PPST=176/173/173 ETS	NES NMTA Teacher competency=240 NES Assessment of Teaching Skills (secondary)—Written	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS PRAXIS II test 10041=162 NES NMTA English Content Area=240 NES Content Specialty Test (CST) in English=220 ETS PRAXIS II tests 10041+30043=321 combined score ETS
New Jersey New Mexico New York North Carolina	PPST=174/172/172 NES NMTA Basic skills (New Mexico Teacher Assessment) NES Liberal Arts and Sciences Test (LAST)=220 ETS PPST=176/173/173	NES NMTA Teacher competency=240 NES Assessment of Teaching Skills (secondary)—Written	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS PRAXIS II test 10041=162 NES NMTA English Content Area=240 NES Content Specialty Test (CST) in English=220 ETS PRAXIS II tests 10041+30043=321 combined score ETS PRAXIS II test
New Jersey New Mexico New York North Carolina	PPST=174/172/172 NES NMTA Basic skills (New Mexico Teacher Assessment) NES Liberal Arts and Sciences Test (LAST)=220 ETS PPST=176/173/173 ETS	NES NMTA Teacher competency=240 NES Assessment of Teaching Skills (secondary)—Written	10041=150 30043=140 ETS PRAXIS II tests 10041=164 20042=155 ETS PRAXIS II test 10041=162 NES NMTA English Content Area=240 NES Content Specialty Test (CST) in English=220 ETS PRAXIS II tests 10041+30043=321 combined score ETS

	PPST=173/172/172	PLT 30524=165	PRAXIS II test 10041=167
Oklahoma	ETS PPST=173/172/171	NES OGET (Oklahoma General Education Test)=240	NES OSAT (Oklahoma subject Area Tests) in English 6-12=240
Oregon	ETS PPST=174/172/175		ETS PRAXIS II tests 10041=159 20042=145
Pennsylvania	ETS PPST=172/173/173		PRAXIS II test 10041=160
Rhode Island		ETS PLT 30524=167 (will allow job review in lieu of passing score)	
South Carolina	ETS PPST=175/173/172	ETS PLT 30524=165	ETS PRAXIS II tests 10041=162 20042=150
South Dakota		ETS PLT 30524=146	PRAXIS II test 10041=154
Tennessee	ETS PPST=174/173/173	ETS PLT 30524=159	ETS PRAXIS II tests 10041=157 30043=145
Texas		NES TEXES (Texas Exminations of Educator Standards)=240	NES English Language Arts & Reading 8-12=240
Utah		ETS PLT 30524=160	PRAXIS II test 10041=? 20042=? 30043=? Required, but passing scores yet to be determined
Vermont	ETS PPST required, but no minimum established		ETS PRAXIS II test 10041=172 OR 20042=160
Virginia	ETS PPST=178/176/178		PRAXIS II test 10041=172
Washington	WEST-B (NES)=240, OR PPST (ETS)=177/174/176 OR CBEST=123 composite	Included in PRAXIS II	ETS PRAXIS II test 10041=158 (specially designed for WA)
West Virginia	ETS PPST=174/172/172	ETS PLT 30524=156	ETS PRAXIS II test 10041=155 (English

			5 th grade to adult)
Wisconsin	ETS PPST=175/174/173		PRAXIS II test 10041=160 (broadfield language arts, English lit, comp. journalism, speech, ages 10-21)
Wyoming		ETS PLT 30524=? (passing score to be determined)	PRAXIS II test 10041=Required, but passing score yet to be determined

Unfortunately, some states require that institutions post only the total number of graduates in their Title Two reports, making it difficult to ascertain the number of newly certified teachers by subject area and grade level. Likewise, many states report teachers certified through alternative programs in aggregate. Thus, in some states, determining the precise number of teachers in a subject area who have been certified through traditional and alternative programs requires persistence and a great deal of footwork.

When I could not find data in reports in the Title Two database, I obtained information from state departments of education and individual institutions. Some figures were gleaned from institutions' NCATE reports. Using these resources, I identified the fifteen largest English Education programs in the country and examined the requirements and unique attributes of each program. Next, I compared the number of English teachers going through NUCPs against those going through programs at selected doctoral institutions located in the same state. Finally, I analyzed teacher education programs in the ten 'best" liberal arts institutions, at least according to *U.S. News and World Report* (2005).

The Largest Programs

In 2004, the largest group of teachers of English did not matriculate at a university at all, but received their teaching credentials from K-12 school districts. The two largest preparation programs in English Education are Non-University Certification Programs (NUCPs) in California and Texas (U.S. Department of Education, 2005). The growth of NUCPs in these two populous states is indicative of a nationwide trend to streamline certification requirements and open entry to the profession. In Texas and California, the education, training, and assessment of alternatively certified English teachers are wholly the responsibility of K-12 personnel.

The third largest producer of English teachers is National University, an institution with a small, non-virtual campus in La Jolla, and a huge graduate program that is delivered over the Internet (they have the largest graduate program in education in the country behind University of Phoenix).

The fourth largest English Education program is the NUCP in New Jersey. As in California and Texas, New Jersey's NUCP offers a "learn while you earn" plan that enables holders of a bachelor's degree to teach right away. New Jersey operates its NUCP through community colleges, whose instructors also teach the classes.

According to New Jersey's recruiting brochure, "The Alternate Route is different in that the preparation for teaching is done while on the job rather than prior to entering a classroom" [sic] (New Jersey City University, 2005). Perhaps George Orwell would appreciate the effort to redefine the meaning of *pre*paration.

The fifteen largest English Education programs in the U.S.A. in 2004 are listed in Table 2 as follows:

Table2: The Fifteen Largest English Education Programs in the U.S.A., 2004

Rank	Institution or Agency	Number of
		English teachers
1	California NUCP	168
1	Texas NUCP	168
3	National University (California)	146
4	New Jersey NUCP	101
5	Western Michigan University	101
6	Wayne State University (Michigan)	93
7	Eastern Michigan University	92
8	Central Michigan University	80
9	Chapman University (California)	79
10	Georgia NUCP	75
11	University of North Texas	58
12	Saginaw State University (Michigan)	55
13	Grand Valley State University (Michigan)	54
14	Kent State University	52
15	Colorado NUCP	51

("NUCP"=Non-University Certification Program)

Obviously, the career paths to becoming a teacher of English have expanded dramatically with the proliferation of NUCPs and the phenomenon of credentials deliverable over the Internet. Today, prospective teachers may choose from among five very different kinds of programs:

- 1. "Learn while you earn" NUCPs administered by school districts or other agencies,
- Internet or hybrid programs (Internet-based programs supplemented by one or more real-time, in-class sessions) administered by for-profit enterprises or universities,
- 3. Preparation programs at baccalaureate liberal arts colleges,
- 4. Preparation programs at regional, master's level institutions,
- 5. Preparation programs at doctoral institutions.

Of the 15 largest programs in English Education, five are "learn while you earn" NUCPs (California, Texas, New Jersey, Georgia, Colorado); three deliver Internet or hybrid degrees (National University, Chapman University, University of North Texas); five are traditional, master's level institutions (four from Michigan—Eastern Michigan, Central Michigan, Saginaw State, Grand Valley State—and one from Ohio—Kent State); and two are doctoral institutions (Wayne State and Western Michigan University). No English Education program in the top 15 is located within a liberal arts college.

The over-representation of schools from Michigan is largely due to the extended reach of state-supported institutions in Michigan. Western Michigan University has eight branch campuses—in Battle Creek, Grand Rapids, Holland, Lansing, Muskegon, South Haven, Benton Harbor, and Traverse City. Wayne State has six satellite campuses in the Detroit area. Eastern Michigan University delivers post-baccalaureate initial teacher certification programs in several locations in Detroit and Flint and also has a large distance education program. Central Michigan University operates off-campus programs to more than 8,000 students in more than 60 locations throughout the United States, Canada, and Mexico—about 1% of whom seek to teach secondary English. Saginaw State University has a graduate center in Macomb County, Michigan, which offers four different graduate programs in education, including an Accelerated Certification Education (ACE). Grand Valley State has four branch campuses scattered throughout the state.

Perhaps surprisingly, no institutions in the top fifteen are from New York or Florida. The largest English Education program in Florida is at University of South Florida, where 45 students graduated in 2003-2004; the NUCPs in Florida handed out temporary certificates to more than 289 students, 39 of whom are going to teach English. In Florida, a recent law requires every school district in the state to develop an "in-house" alternative teacher preparation program. The alternative certification program requires prospective teachers to take a brief, "crash course in survival skills," then they begin teaching immediately. Again, the training, supervision, and assessment of these teachers are at the sole discretion of the school district. No collaboration with a university is necessary.

Distinguishing Features of Programs

To get a sense of the kinds of experiences offered via the five career tracks in English Education, Table 3 (below) compares the programs of four of the largest programs in America: the Los Angeles United School District (part of California's massive NUCP network), National University (via the Internet), Eastern Michigan University (a master's level university), and Wayne State University (a doctoral institution).

Table 3: Comparison of Types of Programs in English Education

Granting Agency, (Carnegie Classification)	Requirements	Semester hours in English Education	Semester hours in teaching reading	Required Field experience before teaching	Student Teaching
California NUCP, Los Angeles United School District (Internet- based)	Bachelor's degree, must pass California Basic Educational Skills Test, state test for single endorsement in English.	3 (Internet)	3 (Internet)	No	No
National University	Bachelor's degree.	0	0	Yes, though not	Yes, though "Summer

(Internet-based master's degree)	Entrance test only required with grade point of less than 2.5, must pass California Basic Educational Skills Test; must pass state test for single endorsement in English.			explicated in the catalog	school, after school programs, and outdoor education programs" may be substituted for student teaching (National University 2005).
Eastern Michigan University (Master's University I)	Moderately selective (average ACT=20), Must pass Michigan State Basic Skills Test.	3 hours	3 hours	Significant (more than 200 hours spent in schools)	Yes, full semester
Wayne State University (Research University Extensive)	Moderately selective (average ACT=20), must pass Michigan State Basic Skills Test.	15 hours	3 hours	Significant (more than 200 hours spent in schools)	Yes, full semester

Of the programs in Table 3, the NUCP at Los Angeles United School District is the only one that does not require prospective teachers to spend time in schools as a prerequisite to full-time teaching. These untrained, inexperienced teachers are placed in classrooms under the power granted to schools by California's Senate Bill 57, which "allows...people to become teachers by successfully completing tests and classroom observations in lieu of traditional teacher preparation course work and student teaching."

National University requires neither a course in reading nor a course in English methods, seemingly odd for a program leading to certification in English. At National, field experience and student teaching may include time spent at "summer school, after school programs, and outdoor education programs" (National University, 2005).

Eastern Michigan offers courses in English methods and reading. However, compared to the other four institutions, Wayne State's requirements seem almost expansive—five classes in English Education: Linguistics and Education, Young Adult Literature, Methods of Teaching English: Grades 7-12, Teaching Composition, and Teaching Literature; one class in reading—Reading in the Content Areas; significant hours in schools prior to student teaching; and a full semester for the student teaching experience.

Apparently, doctoral institutions educate a relatively small percentage of prospective English teachers. Even in Michigan, home to two of the largest English education programs in the nation (Western Michigan and Wayne State) and two prominent research universities (University of Michigan and Michigan State

University), doctoral institutions prepare less than one-third of all new English teachers.

Liberal Arts Colleges

The English education programs of the "top ten" national liberal arts colleges (U.S. World and News Report, 2005) share a lack of focused preparation with NUCPs and Internet-based programs listed in Table 3. Table 4 depicts the nature of the programs of ten liberal arts colleges.

Table 4: Preparation in English Education at Liberal Arts Colleges

Granting	Semester	Semester	Required	Student
Agency,	hours in	hours in	Field	Teaching
(Carnegie	English	teaching	experience	Todoming
Classification)	Education	reading	before	
Ciassification)	Education	reading		
14//111			teaching	N (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Williams College	0	3 hours	Minimal	Yes (administered by the
(Baccalaureate			(total of 30	Massachusetts College of
College,			hours spent	Liberal Arts).
Liberal Arts)			in a school)	
Amherst College	0	0	5 courses	Yes, 14-credit hour student
(with Mount			that require	teaching in spring
Holyoke)			some field	todog opg
1 lolyono,			experience	
Cwarthmara	0	0	•	Ctudente teach for 40 weeks
Swarthmore	U	١٠	no	Students teach for 12 weeks,
College				visited once per week by
				supervisor
Wellesley College	0	0	One field	Students teach for 12 weeks
			course	
			required	
			prior to	
			student	
			teaching	
Carleton College	Mentions	0	Minimal,	10 weeks
Carieton College		0		
	possible		negotiated	Recommends students take
	subject		with	"thirteenth term" so they can
	emphasis		instructor	student teach—at a greatly
	in catalog			reduced rate of tuition
Pomona College	0	0	Minimal, 25	10 weeks
			hours total	In collaboration with
				Claremont Graduate School
Bowdoin College	0 (but one	0	0	10-12 weeks
	course in	1		
	teaching			
	writing)			
Davidson College	0	0	Some	10-12 weeks
Davidson College	U	0		TO-TS MEEKS
11 6 10 11			tutoring	10
Haverford College	0	0	Weekly visits	12 weeks
			to a	
			classroom,	
			weekly	
	Ì		exchange of	
			letters	
Weslevan College			letters	Teacher education phased
Wesleyan College			letters 	Teacher education phased out in 1996

Because the numbers of students seeking teacher certification at liberal arts colleges are small, students from all subject areas are usually combined into a single class for curriculum, methods, and other education courses. It is not unusual for a professor of a methods course in a liberal arts college to have students majoring in music, physical education, science, mathematics, social studies, and health sitting alongside majors in English. Of the ten liberal arts colleges surveyed, one mentioned a course specific to the content area (Carlton); one required a reading course (Williams).

The State of the Profession

Twenty years ago, few states had NUCPs and those that did dusted them off only in emergencies, such as an unexpected death or a temporary shortage of teachers caused by a sudden spike in population (in areas like Orlando or Las Vegas).

Today, NUCPs supply an increasing percentage of new teachers of English. In California, approximately one in five new teachers enter the profession through NUCPs; in Texas and New Jersey, one in four new teachers come from NUCPs (Feistritzer 2004). In Florida, where every school district in the state has the capability of certifying teachers, the numbers of students choosing NUCPs may expand rapidly. When comparing the number of English teachers who graduate from doctoral institutions with the number of students who take alternative routes via NUCPs, the difference is startling (U.S. Department of Education, 2005) as follows:

- NUCPs in California certified 168 English teachers; The University of California at Berkeley graduated 22; Stanford 11.
- NUCPs in Texas certified 168 English teachers; The University of Texas at Austin graduated 27.
- NUCPs in New Jersey certified 101; Rutgers University graduated 39.
- NUCPs in Georgia certified 75; The University of Georgia graduated 26.
- NUCPs in Colorado certified 51; The University of Colorado at Boulder graduated 36.
- NUCPs in Louisiana certified 22; L.S.U. graduated 14.
- NUCPs in Florida certified 39; Florida State graduated 23

As is evident from the burgeoning numbers of English teachers coming out of National University and Chapman University (together, the institutions produced 225 English teachers in 2004), Internet-based, virtual degrees in education, also have great appeal. They are fast, easy, and require limited face-to-face interactions. In point of fact, the largest English Education program in Arizona is a virtual one at The University of Phoenix which produced 36 English teachers in 2004; the University of Arizona graduated 21.

Some institutions of higher education, lured by the profitability of distance education, have added "100% internet" degrees. For example, the second largest producer of English teachers in Texas is the program at The University of North Texas. North Texas offers a traditional on-campus, field-based undergraduate degree, but it

also offers a one-year, accelerated, graduate program over the Internet. According to North Texas's website,

The Online Teacher Certification Program was designed for mature students who have a bachelor's degree and want to earn initial secondary teacher certification at the graduate level. The program consists of 12 graduate credit hours and a 3–6 hour mentored internship. Content for all four courses is delivered 100% online. (University of North Texas, 2005)

In a comprehensive study of alternative and traditional certification, Wenglinsky (2000) found that students who had teachers from university teacher preparation programs outperformed students who had teachers who were alternatively certified. More recently, Darling-Hammond, Holtzman, Gatlin, & Vasquez-Heilig (2005) found that alternatively certified teachers actually have deleterious effects on student achievement.

Interestingly, the Darling-Hammond (et al.) study surveyed thousands of teachers from the Houston Independent School district over a period of six years. Houston I.S.D. happens to be one of the largest NUCPs in Texas. Using student achievement measures across six different tests, the researchers found that "uncertified teachers showed negative effects across all six tests…alternatively certified teachers had negative effects on achievement on five tests" (p. 19). Despite the evidence that student achievement suffers when their teachers hail from NUCPs and "fast-track" alternative programs, these programs are becoming dominant in many states.

Conclusions

Whether they acknowledge it or not, universities who prepare teachers are currently engaged in a fierce fight for students. Competition is coming from profit-centered enterprises and K-12 school districts—especially in urban areas. State legislators, anxious to cut costs in higher education, have allowed teacher certification to migrate from universities to school districts, community colleges, and apparently—any NUCP that promises to provide a fresh supply of warm bodies for the front lines of teaching on the cheap. At the same time, accrediting agencies such as NCATE (National Council for the Accreditation of Teacher Education) and TEAC (Teacher Education Accrediting Council) continue to ramp up rigor and accountability.

At a time when global competition is heating up, and American students' academic performance may be on the decline (Bauerlein 2005, Bureau of Labor Statistics 2005, National Endowment of the Arts 2004, U.S. Census Bureau 2005), the need for experienced, well-educated, enthusiastic teachers has never been greater. The justification for a quick and easy entry to teaching seems to be that anyone has a right to teach—even those who never learned how. Expecting a student with a liberal arts major and minimal experience working with children to waltz into a classroom and begin teaching effectively is not hopeful—it's idiotic. Yet, in half of the states of the union, an alternatively certified teacher is not required to bother with setting foot in a K-12 classroom prior to the first day of school.

A recent editorial in the *New York Times* reiterated the need for better reporting from institutions and higher standards for teachers: "At the very least, both

the federal government and the states need better data systems to keep track of how many teachers are being trained.... The states must also bite the bullet and finally close any colleges of education that are no more than diploma mills" (2005).

Certainly, closing the diploma mills would be a good place to start. However, the demise of diploma mills seems unlikely, considering that a former lobbyist for the University of Phoenix has served as Assistant Secretary for Postsecondary Education for the past four years. Add the fact that Congress recently approved federal aid to institutions that provide 100% of their degrees over the Internet and you begin to understand why the outlook for diploma mills has never been brighter.

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