

DATE: January 28, 2010**SUBJECT:** Academic Degree Program Review**ACTION RECOMMENDED:** Information

BACKGROUND INFORMATION: The Tennessee Higher Education Commission is statutorily required to evaluate proposed and existing academic degree programs to ensure their quality and viability, certify program demand, and avoid unnecessary duplication. THEC academic program review policy specifies these review requirements through four separate actions:

- 1) New academic degree proposal review and approval;
- 2) Post Approval Monitoring of new academic degree programs;
- 3) Review of “mature” programs to identify those not generating a sufficient number of graduates; and
- 4) Cyclic accreditation review, consultant evaluation, or academic audit of programs as a Performance Funding qualitative measure and funding incentive.

These four separate reviews constitute a comprehensive process that evaluates cost efficiencies and program demand. This process is not a new undertaking, as THEC has reported on net program inventory changes, monitored new programs, evaluated program productivity, and required program peer review as a Performance Funding standard for many years.

The low-producing program review has been an essential quality and cost assessment for decades. The one recent change for the low-producing study is that the review will be annual whereas in the past it has occurred at three- and five-year intervals. The annual review addresses the need to ensure efficiencies in resource allocation for degree programs, responsiveness to changing job markets, and elimination of unnecessary program duplication. The institutions themselves are the source of data for the review. The Tennessee Board of Regents and the University of Tennessee collect enrollment and graduation data from their institutions, verify data accuracy, and provide reports to THEC. The two systems and THEC, therefore, are all responsible for the accuracy of the data.

The following report summarizes the January 2010 status of the four components of THEC academic program review. Complete THEC reports and accompanying data are posted at:

UT:

http://www.state.tn.us/thec/Divisions/AcademicAffairs/productivity_ut/UT%20Low%20Producing%20Nov%202009.pdf

TBR:

http://www.state.tn.us/thec/Divisions/AcademicAffairs/productivity_tbr/TBR%20Low%20Producing%20Nov%202009.pdf

Conclusions from the THEC 2009 Program Review

The two systems are using THEC program productivity data in a proactive dialog with THEC and the individual campuses. THEC's making the examination of low-producing degree programs an annual evaluation should further strengthen the entire program review process. The 2009 THEC academic program evaluation highlights the following:

- Only three of every four (76%) established degree programs (all degree levels) delivered by Tennessee institutions graduate enough students to meet nationally-used program productivity benchmarks.
- Only two-thirds of the 103 of new degree programs approved in the last five years are meeting projections for enrollment and program costs upon which THEC approved the programs.
- This underperformance of a large number of degree programs suggests need for more compelling justification of program demand and adequacy of resources at the earliest point of new program planning -- the institution's letter of intent to plan. THEC will pursue a policy modification to require that a comprehensive feasibility study and detailed financial projection accompany the letter of intent. This more thorough assessment of program need and availability of resources at the first step in building new programs will select for planning only those programs with the greatest likelihood of success.
- Tennessee supports 121 doctoral programs (excluding professional doctorates in medicine, dentistry, pharmacy, veterinary medicine, and law). One-third, or 45 of the 121 doctoral programs are either newly established (25) or low-producing (20). These data emphasize the importance of adequate resourcing of existing doctoral programs to make them regionally and nationally competitive.
- These data also question the feasibility of adding more doctoral programs in program fields now served when state funding is limited. Program productivity margins and the number of doctoral programs currently offered in biological sciences, education, English, psychology, engineering, and specific health fields suggest that the state currently meets student demand. Also, while programs may have interdisciplinary configurations and unique degree program titles, they still have a primary field classification and may substantially duplicate programs in that same nationally-used Classification of Instructional Programs or CIP program subject categories.

(1) Program Approvals and Terminations

The Commission has the statutory responsibility to review and approve new academic programs. New programs are developed as the needs and demands within the state warrant. The responsibility of program termination lies with the two governing boards, although the Commission staff may recommend termination to the TBR and UT systems. During 2009, the Commission approved a total of 22 new programs and the governing boards terminated 26 programs. In recognition of institutional budget reductions, Dr. Rhoda approved through interim action only those new programs proposed as highest priority by Chancellor Manning and President Simek.

Additionally, during this period of budget reductions, new program start-up must be met through external funding sources or documented institutional redirection of existing funds. A complete listing of program approvals and terminations can be found in Appendix A.

Table 1: New Programs and Terminations

	New Programs	Terminations	Net Change
TBR Universities	10	4	6
UT System	3	14	-11
TBR Community Colleges	9	8	1
Total Actions	22	26	-4

- Almost half of the new programs approved were at the associate or certificate level as meeting immediate demand for regional work force development. THEC also approved 6 baccalaureate, 2 master’s, and 4 doctoral degree programs. One of the four doctoral programs was approved as supported by non-state funds, and the other three were approved on the basis of the institution’s certainty that federal funding is forthcoming. The 22 new programs reflected 12 disciplines with the majority of new programs in the health fields.
- The majority of programs terminated by the governing boards were either at the pre-baccalaureate or baccalaureate level. One doctoral program was terminated and no Master’s programs were removed from the state inventory.
- The majority of the 26 programs terminated were in the education field with an additional five programs terminated in engineering and four programs in health-related fields. Some institutions consolidated programs for efficiency. For example, one university terminated/consolidated 12 programs in education to strengthen their overall teacher education program offerings and reduce program costs.

(2) Post Approval Monitoring

Newly approved programs remain in the Post Approval Monitoring cycle for five years at the baccalaureate level and above and three years for pre-baccalaureate programs. This review evaluates programs against enrollment and graduate ratios, program cost, program progress toward accreditation, and other goals agreed upon by the governing boards and THEC through program authorization. THEC notifies institutions when programs fail to meet these goals and requests plans to ensure program health. THEC can recommend termination for those programs that do not, over the monitoring period, show improvement. The January 2010 Post Approval Monitory report can be found in Appendix B.

Table 2: Summary of Post Approval Monitoring

	Programs Meeting Benchmarks	Programs Not Meeting Benchmarks	Delayed Programs	Terminated Programs
TBR Universities	25	8	0	0
UT System	23	6	0	0
TBR Community Colleges	19	12	3	2
Total *	67	26	3	2

**Data for five programs in the Regents Online Degree Program were not available. This brings the total to 103 programs.*

- Of the 103 programs reviewed during the 2009 Post Approval Monitoring cycle, 67 or 65% met the projections listed in the program proposal or exceeded productivity benchmarks.
- The 26 programs that did not meet projections or benchmarks will be required to submit Program Productivity Plans in the upcoming year.
- Of the 26 programs failing to meet benchmarks, THEC is recommending that four of them be considered for termination. All four of these programs are at the community college level.

(3) Academic Program Productivity Review

Once a program completes the Post Approval Monitoring cycle, it is considered “mature” and is then evaluated through THEC’s Low-Producing Program review. The purpose of this review is to ensure that demand for the programs continues as is evidenced by the number of graduates produced. This process identifies programs that are not meeting nationally-used graduate production benchmarks: an average of ten graduates per year over a five-year period for baccalaureate and sub-baccalaureate programs, an average of 5 for master’s programs over five-years, and an average of three for doctorates over this same period of time.

Using these reports as tools, the systems work with institutions in determining whether to terminate or commit necessary resources to strengthen low-producing programs. In so doing, institutions may retain programs that may not produce a desired number of graduates but may otherwise contribute to the general education curriculum in providing service courses or complementing other degree offerings. The undergraduate physics major is one such example. Institutions also look at enrollments in low-producing programs to gauge viability.

The THEC low-producing program study spanning six (2003-2009) academic years (summer, fall, and spring semesters) can be found in Appendix C.

**Table 3: Summary of Academic Programs by Type
January 2010**

	New Programs	Mature Programs	Total Programs	Low Productivity Mature Programs	% Low Productivity Mature Programs	% Productive Mature Programs
TBR Universities	42	492	534	76	15%	85%
UT System	32	319	351	86	27%	73%
TBR Comm Colleges	46	322	368	105	33%	67%
Total	120	1133	1253	267	24%	76%

Of the approximately 1,100 mature academic degree programs offered by institutions in the Tennessee Board of Regents and University of Tennessee systems, approximately 850 (76 percent) met the productivity thresholds. One in four or 267 programs did not meet the minimum productivity levels.

By program category:

- Of the 267 programs identified as low-producing in the 2009 THEC study, approximately one-third of the programs were in the areas of health, education, and engineering.
- The analysis also revealed nine disciplines where the same low-producing programs occurred at three or more institutions. These programs included early childhood education, general technology, and culinary arts at the community colleges.
- At the baccalaureate level, programs in economics, foreign languages, mathematics, philosophy and physics were identified as low-producing at three or more institutions. Only the chemistry (Masters) program was identified as low-producing at three universities.

By program level:

- 38 percent of pre-baccalaureate,
- 37 percent of baccalaureate,
- 13 percent of master's, and
- 21 percent of doctoral degree programs in operation more than five years did not meet their productivity thresholds.

Table 4: Responses to Low-Producing Programs

	Low-Producing Programs	Retain	Terminated or Pending	Consolidate or Inactive	Removed from Low-Producing	No Recommended Action
TBR Universities	76	42	4	1	5	24
UT System	86	47	22	9	8	0
TBR Comm Colleges	105	46	19	0	15	25
Total	267	135	45	10	28	49

During 2009, the institutions and governing boards reviewed the 267 low-producing programs.

- Approximately one-half of the under-productive programs were retained by the institutions with steps identified to improve overall program productivity or justification that the retained program contributed service courses to general education or academic minors.
- An additional 28 programs saw the five-year average number of graduates increase by 2009 to meet minimum productivity thresholds and were therefore removed from the low-producing list.
- The governing boards terminated 20 low-producing programs with an additional 25 programs that are awaiting action by TBR and UT. If students are enrolled in the program, it is phased out over time to allow all students the opportunity to graduate. Terminating a program with enrolled students does not, therefore, realize immediate cost savings. Furthermore, in many cases institutions preserve the field and the tenured faculty in it by lodging the terminated program as a concentration under another related degree program.

Doctoral Programs. The productivity of high-cost doctoral programs warrants close attention from the institutions, systems, and THEC. Doctoral education is vitally important to the state and to the larger mid-South region Tennessee institutions increasingly serve. Providing highly qualified researchers, specialists, and educators is a fundamental charge to universities with research missions. It is also the responsibility of the state to ensure program quality by sufficiently funding a complement of doctoral programs which will meet demand but not duplicate costs.

Several concerns drive the THEC's redoubled attention to ensuring the viability of doctoral programs in state-supported universities: start-up costs during difficult budget years, the large number of new doctoral programs, the large number of low-producing established doctorates, and the potential unnecessary duplication of student access and state spending within specific degree program areas. The state has an opportunity to address these concerns in the 2010-2015 Master Plan for higher education by clarifying institutional missions and funding priorities. The status of Tennessee's doctoral program inventory is as follows:

- Tennessee supports 121 doctoral degree programs (excluding doctorates in medicine, dentistry, pharmacy, veterinary medicine, and law).
- Forty-five (45) of the 121 doctoral degree programs are either new or low-producing. This number represents more than one-third of the total doctoral program offerings.
- Twenty-five (25) of the 121 programs have been approved in the last five years and have not yet graduated students. THEC monitors these programs to determine if their actual enrollments and expenditures meet projections on which THEC approved the programs.
- Twenty (20) of the 96 doctoral programs that have been in operation more than five years did not produce an average of three graduates per year over a five-year period. During the last full academic year (2008-09), eight programs did not graduate any students, and eleven awarded only one degree.
- Of the 20 low-producing doctoral programs, six programs are in engineering and five programs are in the biological sciences.

Commission staff has conducted an analysis of doctoral program productivity and fields where additional programs would likely be redundant. The analysis revealed that there are adequate numbers of doctoral programs in the fields of biological sciences, education, engineering, and psychology. The doctoral program analysis can be found in Appendix D.

The following chart shows the number of new programs, mature programs, and the productivity status of mature programs by institution.

Table 5: Doctoral Programs

	New Doctoral Programs	Mature Doctoral Programs	Low- Producing Doctoral Programs	% Low- Producing (Mature Programs)
East Tennessee	5	5	0	0%
Middle Tennessee	5	3	0	0%
Tennessee State	1	6	3	50%
Tennessee Tech	0	3	0	0%
Univ of Memphis	1	22	4	18%
UT Chattanooga	2	2	0	0%
UT Knoxville	11	42	8	17%
UT Memphis	0	13	5	38%
Total	25	96	20	21%

(4) Performance Funding: Accreditation and Program Review

Within the state’s Performance Funding accountability program, institutions are required to evaluate undergraduate and graduate programs. These reviews call for institutions to first develop self-evaluations of programs under review. The accreditation peer review process satisfies the Performance Funding requirements for programs that are eligible for accreditation. Other programs must undergo evaluation by external consultants or trained teams of auditors. The purpose of academic program review is to ensure that standards of the discipline are being met and that adequate financial support is evident. Each program is reviewed according to accreditation review cycles or at least once every five years by THEC program evaluation criteria. This program evaluation calendar applies to all institutions except the University of Memphis which has a seven-year cycle and UT Knoxville which has a ten-year cycle. The extended cycles for these two institutions recognize the large number of programs subject to review.

Table 6: Academic Program Evaluation by Type

	Accreditable Programs	Traditional Program Review	Academic Audit	Total
TBR Universities	268	136	65	469
UT System	141	113	0	254
TBR Community Colleges	125	57	96	278
Total	534	306	161	1001
Percentage	53%	31%	16%	

- During 2008-09, approximately 100 academic programs were evaluated using the traditional program review or academic audit. These reviews and subsequent follow-up by the institutions also help to assess program quality, need, and demand.
- Currently 534 programs are eligible for accreditation. Eligibility is determined when all Tennessee institutions agree on a specific accreditor as best representing qualitative standards for each discipline. All programs are accredited except for one where accreditation is pending.

Tennessee Higher Education Commission
2009 Academic Program Actions

2009 Program Actions: New Programs and Terminations			
	New Programs	Terminations	Net Change
TBR Universities	10	4	6
UT System	3	14	-11
TBR Community Colleges	9	8	1
Total Actions	22	26	-4

New Programs

Institution	Major Taxonomy	Academic Program	Degree Level	Approval Date
1 UT Chattanooga	Health Professions	Athletic Training	Masters	24-Feb-09
2 Nashville	Business Management	Logistics Technology	Associate	28-Apr-09
3 Nashville	Health Professions	Nursing	Associate	28-Apr-09
4 Southwest	Health Professions	Emergency Medical Services - Paramedic	Associate	10-Jul-09
5 Volunteer	Protective Services	Criminal Justice/Law Enforcement	Associate	10-Jul-09
6 Austin Peay	Engineering	Chemical Engineering Technology	Associate	21-Jul-09
7 Dyersburg	Health Professions	Paramedic	Certificate	21-Jul-09
8 Dyersburg	Health Professions	Emergency Services	Associate	21-Jul-09
9 Pellissippi	Health Professions	Nursing	Associate	21-Jul-09
10 East Tennessee	Social Sciences	International Affairs	Baccalaureate	3-Aug-09
11 Middle Tennessee	Parks & Recreation	Exercise Science	Baccalaureate	3-Aug-09
12 Middle Tennessee	Protective Services	Forensic Science	Baccalaureate	4-Aug-09
13 UT Knoxville	Agriculture	Natural Resource & Env Economics	Baccalaureate	4-Aug-09
14 UT Chattanooga	Mathematics	Mathematics	Masters	5-Aug-09
15 East Tennessee	Parks & Recreation	Sport Physiology and Performance	Doctorate	16-Sep-09
16 Middle Tennessee	Education	Mathematics and Science Education	Doctorate	16-Sep-09
17 Middle Tennessee	Biological Sciences/Life Science	Molecular Biosciences	Doctorate	16-Sep-09
18 Middle Tennessee	Computer & Info Systems	Computational Science	Doctorate	16-Sep-09
19 Chattanooga	Health Professions	Dental Assisting	Associate	4-Nov-09
20 East Tennessee	Visual & Performing Arts	Bluegrass, Old Time and Country Music	Baccalaureate	4-Nov-09
21 Roane	Health Professions	Allied Health Sciences	Associate	4-Nov-09
22 Univ of Memphis	Visual & Performing Arts	Interior Design	Baccalaureate	4-Nov-09

Program Terminations

Institution	Major Taxonomy	Academic Program	Degree Level	Termination Date
1 Pellissippi	Protective Services	Security Engineering & Admin Tech	Associate	Apr-09
2 Univ of Memphis	Business Management	Sales	Bachelors	Apr-09
3 Univ of Memphis	Engineering	Computer Engineering Technology	Bachelors	Apr-09
4 Univ of Memphis	Engineering	Electronics Engineering Technology	Bachelors	Apr-09
5 Dyersburg	Health Professions	Medical Transcription	Certificate	Jun-09
6 East Tennessee	Personal Improvement	Family & Consumer Sciences	Bachelors	Jun-09
7 Pellissippi	Engineering	Civil Engineering Technology	Associate	Jun-09
8 Pellissippi	Engineering	Electrical Engineering Technology	Associate	Jun-09
9 Pellissippi	Engineering	Computer Integrated Drafting & Design	Associate	Jun-09
10 UT Martin	Education	Secondary Business	Bachelors	Jun-09
11 UT Martin	Education	Secondary English	Bachelors	Jun-09
12 UT Martin	Education	Secondary Mathematics	Bachelors	Jun-09
13 UT Martin	Education	Secondary Biology	Bachelors	Jun-09
14 UT Martin	Education	Secondary Chemistry	Bachelors	Jun-09
15 UT Martin	Education	Secondary French	Bachelors	Jun-09
16 UT Martin	Education	Secondary History	Bachelors	Jun-09
17 UT Martin	Education	Secondary Spanish	Bachelors	Jun-09
18 UT Martin	Education	Secondary Geography	Bachelors	Jun-09
19 UT Martin	Education	Secondary Earth & Science	Bachelors	Jun-09
20 UT Martin	Education	Secondary Economics	Bachelors	Jun-09
21 UT Martin	Education	Secondary Government	Bachelors	Jun-09
22 UT Martin	Health Professions	Health Sciences	Bachelors	Jun-09
23 Chattanooga	Law and Legal Studies	Realtime Reporting	Associate	Aug-09
24 Jackson	Agriculture	Horticulture	Certificate	Aug-09
25 Walters	Health Professions	Paramedic Technology	Associate	Aug-09
26 UT Memphis	Health Professions	Microbiology	Doctorate	Dec-09

**Tennessee Higher Education Commission
Post Approval Monitoring: 2008-09 Cycle
Table 1: Programs - Benchmarks Attained**

Austin Peay State University

- Criminal Justice, BS
- Management, MS
- Teaching, MAT

East Tennessee State University

- Anthropology, BA
- Geology, BS
- Allied Health, MSAH
- Clinical Psychology, PhD
- Early Childhood Education, PhD
- Pharmacy, PharmD
- Public Health, Dr.P.H.

Middle Tennessee State University

- Art History, BA
- Construction Management Tech., BS
- Global Studies, BA
- Professional Science, MS
- Recording Arts and Technology, MFA
- Literacy Studies, PhD
- Public History, PhD

Tennessee State University

- Health Sciences, BS
- Occupational Therapy, MOT
- Computer and Information Systems Engineering, PhD
- Physical Therapy, DPT

University of Memphis

- Biomedical Engineering, BSBE
- Computer Science, MS and PhD
- Public Health, MPH

University of Tennessee, Chattanooga

- Early Childhood Education, BS
- Mechanical Engineering, BS
- Computational Engineering, PhD
- Learning and Leadership, EdD
- Physical Therapy, DPT

University of Tennessee, Knoxville

- Public Relations, BSC
- Biomedical Engineering, MS and PhD
- Landscape Architecture, MLA, MA, MS
- Child and Family Studies, PhD
- Counselor Education, PhD
- Educational Psychology and Research, PhD
- Exercise and Sports Science, PhD
- Higher Education Administration, PhD
- Industrial and Information Engineering, PhD
- Nutritional Sciences, PhD
- Retail, Hospitality, and Tourism Management, PhD
- School Psychology, PhD

University of Tennessee, Martin

- Finance, BSBA

University of Tennessee, Health Science Center

- Dental Hygiene, MDH
- Health Informatics and Information Management, MS
- Physical Therapy, DPT and ScDPT

Post Approval Monitoring: 2008-09 Cycle
Table 1 (con't): Programs - Benchmarks Attained

Chattanooga State Community College

- Dental Assisting, Technical Certificate
- Cardiovascular Sonography, Technical Certificate

Columbia State Community College

- Teaching, AST

Dyersburg State Community College

- Teaching, AST

Motlow State Community College

- Teaching, AST
- General Technology, AAS

Nashville State Community College

- Healthcare Management, AAS
- Industrial Process Control Technology, AAS
- Medical Coding, Technical Certificate
- Medical Transcription, Technical Certificate
- Paralegal Studies, AAS
- Teaching, AST

Northeast State Community College

- Public Safety and Justice Administration, AAS
- Chemical Process Operation, Technical Certificate
- Teaching, AST

Pellissippi State Community College

- Teaching, AST

Roane State Community College

- Teaching, AST

Southwest Tennessee Community College

- Biotechnology, AAS

Walters State Community College

- Information Technology, AAS

Post Approval Monitoring: 2008-09 Cycle
Table 2: Programs - Benchmarks Not Attained

Austin Peay State University

- Military History, MA

East Tennessee State University

- Theatre, BA
- Women's Studies, BA
- Environmental Health, PhD

Tennessee State University

- Urban Studies, BS

University of Memphis

- Bioinformatics, MS
- Women's Studies, MA
- Architecture, M.Arch.

University of Tennessee, Chattanooga

- Electrical Engineering, BS

University of Tennessee, Knoxville

- Computer Engineering, MS and PhD
- Reliability and Maintainability Engineering, MS

University of Tennessee Health Science Center

- Cytopathology Practice, MS
- Occupational Therapy, MSOT

Chattanooga State Community College

- Teaching, AST
- Veterinary Technology, AAS

Cleveland State Community College

- Teaching, AST

Columbia State Community College

- Film Crew Technology, Technical Certificate *

Dyersburg State Community College

- General Technology, AAS

Jackson State Community College

- Teaching, AST

Nashville State Community College

- Office Administration, Technical Certificate
- Accounting Technology, Technical Certificate

Southwest Tennessee Community College

- Teaching, AST *

Volunteer State Community College

- Teaching, AST

Walters State Community College

- Teaching, AST
- General Technology, AAS *

Program Productivity Plans will be required to indicate strategies and plans for correcting deficiencies related to enrollment and graduation.

**Due to low productivity and/or cost efficiency, THEC recommends that termination is considered.*

Post Approval Monitoring: 2008-09 Cycle
Table 3: Programs Delayed Implementation

Columbia State Community College

- Stage Crew Technology, Technical Certificate

Jackson State Community College

- Occupational Therapy Assistant, AAS *

Nashville State Community College

- 3D Design and Graphics, Technical Certificate

Table 4: Programs Terminated

Pellissippi State Community College

- Security Engineering and Administrative Technology, AAS

Volunteer State Community College

- Histotechnology, AAS

**Due to low productivity and/or cost efficiency, THEC recommends that termination is considered.*

Tennessee Higher Education Commission
Summary of Responses to 2009 Study of Low-Producing Programs
Summary by Institution

	Total Low-Producing Programs as of Jan 2009	Retain	Terminated	Termination Pending Governing Board Approval	Consolidate	Inactive	Removed from Low-Producing	No Recommended Action
Austin Peay	5	0	0	1	0	0	1	3
East Tennessee	13	4	0	0	0	0	0	9
Middle Tennessee	12	5	0	1	0	0	2	4
Tennessee State	20	14	0	2	1	0	0	3
Tennessee Tech	9	6	0	0	0	0	1	2
Univ of Memphis	17	13	0	0	0	0	1	3
TBR Universities	76	42	0	4	1	0	5	24
UT Chattanooga	14	9	0	1	4	0	0	0
UT Knoxville	35	21	0	5	3	0	6	0
UT Martin	23	7	13	2	0	0	1	0
UT Memphis	14	10	1	0	0	2	1	0
UT System	86	47	14	8	7	2	8	0
Chattanooga	8	4	1	0	0	0	1	2
Cleveland	4	3	0	0	0	0	1	0
Columbia	6	4	0	0	0	0	1	1
Dyersburg	7	5	1	0	0	0	0	1
Jackson	6	1	1	0	0	0	1	3
Motlow	2	1	0	0	0	0	0	1
Nashville	12	7	0	1	0	0	0	4
Northeast	12	2	0	3	0	0	4	3
Pellissippi	3	0	2	0	0	0	0	1
Roane	8	6	0	1	0	0	0	1
Southwest	18	7	0	5	0	0	5	1
Volunteer	6	2	0	1	0	0	1	2
Walters	13	4	1	2	0	0	1	5
TBR Comm Colleges	105	46	6	13	0	0	15	25
Grand Total	267	135	20	25	8	2	28	49

Summary by Program Level

Program Level	Total Low-Producing Programs as of Jan 2009	Retain	Terminated	Termination Pending Governing Board Approval	Consolidate	Inactive	Removed from Low-Producing	No Recommended Action
Certificates	55	29	2	10	0	0	8	6
Associate	51	17	4	4	0	0	7	19
Baccalaureate	99	51	13	6	7	0	5	17
Masters	32	18	0	1	1	2	3	7
Educ Specialist	3	0	0	3	0	0	0	0
Doctorate	27	20	1	1	0	0	5	0
Grand Total	267	135	20	25	8	2	28	49
Percentage		51%	7%	9%	3%	1%	10%	18%

Data Sources: Report of graduates from 2003-04 through 2008-09.

**Tennessee Higher Education Commission
Institutional Response to 2009 Review of Low-Producing Programs
Tennessee Board of Regents - Universities**

	Total Low-Producing Programs as of Jan 2009	Retain	Terminated	Termination Pending Governing Board Approval	Consolidate	Inactive	Removed from Low-Producing	No Recommended Action
Austin Peay	5	0	0	1	0	0	1	3
East Tennessee	13	4	0	0	0	0	0	9
Middle Tennessee	12	5	0	1	0	0	2	4
Tennessee State	20	14	0	2	1	0	0	3
Tennessee Tech	9	6	0	0	0	0	1	2
Univ of Memphis	17	13	0	0	0	0	1	3
TBR Universities	76	42	0	4	1	0	5	24
		55%	0%	5%	1%	0%	7%	32%

Sorted by institution, degree level (Associate, Bachelor's, Master, Educational Specialist and Doctorate) and CIP code.

	Institution	2000 CIP	Program	Degree	Program Action	5 Year Average	Comment
1	Austin Peay	32.52.0407.00	COMPUTER TECH & INFO MGMT	Associate	Terminate	7	Termination pending effective Spring 2010
2	Austin Peay	10.16.0905.00	SPANISH	Bachelor		2	
3	Austin Peay	24.38.0101.00	PHILOSOPHY	Bachelor		2	
4	Austin Peay	25.40.0801.00	PHYSICS	Bachelor		7	
5	Austin Peay	31.51.1199.03	SCIENCE-RADIOLOGIC TECHNOLOGY	Bachelor	Retain	12	Mets minimum productivity based on 08-09 graduates
6	East Tennessee	09.15.1102.00	SURVEYING & MAPPING SCIENCE	Bachelor		5	
7	East Tennessee	24.38.0101.00	PHILOSOPHY	Bachelor	Retain	7	Monitored Status
8	East Tennessee	25.40.0801.00	PHYSICS	Bachelor		3	
9	East Tennessee	28.45.0601.00	ECONOMICS (BA)	Bachelor		3	
10	East Tennessee	28.45.0701.00	GEOGRAPHY	Bachelor	Retain	5	Monitored Status
11	East Tennessee	30.50.0701.00	ART	Bachelor		7	
12	East Tennessee	31.51.2202.00	ENVIRONMENTAL HEALTH	Bachelor	Retain	6	Monitored Status
13	East Tennessee	32.52.0601.00	ECONOMICS (BBA)	Bachelor		8	
14	East Tennessee	08.13.0401.00	EDUCATIONAL LEADERSHIP	Master's		3	
15	East Tennessee	08.13.1205.00	SECONDARY EDUCATION	Master's		2	
16	East Tennessee	28.45.1101.00	SOCIOLOGY	Master's		3	
17	East Tennessee	30.50.0701.00	ART	Master's		1	
18	East Tennessee	31.51.2202.00	ENVIRONMENTAL HEALTH	Master's	Retain	2	Monitored Status
19	Middle Tennessee	08.13.1302.00	ART EDUCATION	Bachelor	Retain	10	Mets minimum productivity based on 08-09 graduates
20	Middle Tennessee	09.15.0303.00	ENVIRONMENTAL SCIENCE & TECH	Bachelor	Retain	6	Monitored Status
21	Middle Tennessee	24.38.0101.00	PHILOSOPHY	Bachelor		5	
22	Middle Tennessee	25.40.0801.00	PHYSICS	Bachelor	Retain	4	Monitored Status
23	Middle Tennessee	28.45.0601.00	ECONOMICS	Bachelor	Retain	7	Monitored Status
24	Middle Tennessee	31.51.0913.00	ATHLETIC TRAINING	Bachelor		9	
25	Middle Tennessee	08.13.1311.00	MATHEMATICS (MST)	Master's		4	
26	Middle Tennessee	19.27.0101.00	MATHEMATICS (MS)	Master's	Retain	1	Monitored Status
27	Middle Tennessee	28.45.1101.00	SOCIOLOGY	Master's		4	
28	Middle Tennessee	29.49.0104.00	AVIATION ADMINISTRATION	Master's	Retain	3	Monitored Status
29	Middle Tennessee	25.40.0501.00	CHEMISTRY	Doctorate	Terminate	1	Termination pending effective Fall 2010
30	Middle Tennessee	28.45.0601.00	ECONOMICS	Doctorate	Retain	3	Mets minimum productivity based on 08-09 graduates
31	Tennessee State	03.05.0201.00	AFRICANA STUDIES	Bachelor	Retain	5	Monitored Status
32	Tennessee State	08.13.1210.00	EARLY CHILDHOOD EDUCATION	Bachelor	Retain	4	Monitored Status

Sorted by institution, degree level (Associate, Bachelor's, Master, Educational Specialist and Doctorate) and CIP code.

	Institution	2000 CIP	Program	Degree	Program Action	5 Year Average	Comment
33	Tennessee State	09.14.0801.00	CIVIL ENGINEERING	Bachelor	Retain	5	Monitored Status
34	Tennessee State	10.16.0101.00	FOREIGN LANGUAGES	Bachelor	Retain	3	Monitored Status
35	Tennessee State	19.27.0101.00	MATHEMATICS	Bachelor	Retain	9	Retain
36	Tennessee State	25.40.0801.00	PHYSICS	Bachelor	Retain	3	Monitored Status
37	Tennessee State	28.54.0101.00	HISTORY	Bachelor	Retain	7	Monitored Status
38	Tennessee State	30.50.0701.00	ART	Bachelor		7	
39	Tennessee State	30.50.0901.00	MUSIC	Bachelor		7	
40	Tennessee State	31.51.0204.00	SPEECH PATHOLOGY & AUDIOLOGY	Bachelor	Consolidate	8	Consolidate with BS in Health Sciences as concentration
41	Tennessee State	31.51.0602.00	DENTAL HYGIENE	Bachelor		8	
42	Tennessee State	31.51.1005.00	MEDICAL TECHNOLOGY	Bachelor	Terminate	4	Termination pending
43	Tennessee State	08.13.1312.00	MUSIC EDUCATION	Master's	Retain	3	Monitored Status
44	Tennessee State	15.23.0101.00	ENGLISH	Master's	Retain	4	Retain
45	Tennessee State	19.27.0101.00	MATHEMATICAL SCIENCES	Master's	Retain	4	Monitored Status
46	Tennessee State	25.40.0501.00	CHEMISTRY	Master's	Retain	2	Monitored Status
47	Tennessee State	26.42.1701.00	SCHOOL PSYCHOLOGY	Educ Specialist	Terminate	2	Termination pending
48	Tennessee State	09.14.0901.00	COMPUTER & INFO SYSTEMS	Doctorate	Retain	1	Monitored Status
49	Tennessee State	18.26.0101.00	BIOLOGICAL SCIENCES	Doctorate	Retain	2	Monitored Status
50	Tennessee State	27.44.0401.00	PUBLIC ADMINISTRATION	Doctorate	Retain	2	Monitored Status
51	Tennessee Tech	10.16.0101.00	FOREIGN LANGUAGES	Bachelor	Retain	8	Retain
52	Tennessee Tech	19.27.0101.00	MATHEMATICS	Bachelor	Retain	5	Monitored Status
53	Tennessee Tech	21.30.9999.02	WORLD CULTURES & BUSINESS	Bachelor	Retain	8	Monitored Status
54	Tennessee Tech	25.40.0601.00	GEOSCIENCES	Bachelor	Retain	8	Retain
55	Tennessee Tech	25.40.0801.00	PHYSICS	Bachelor		3	
56	Tennessee Tech	32.52.0601.00	ECONOMICS	Bachelor	Retain	4	Retain
57	Tennessee Tech	08.13.1299.00	ADV STUDIES IN TCHG & LEARNING	Master's		4	
58	Tennessee Tech	19.27.0101.00	MATHEMATICS	Master's	Retain	5	Mets minimum productivity based on 08-09 graduates
59	Tennessee Tech	25.40.0501.00	CHEMISTRY	Master's	Retain	4	Retain
60	Univ of Memphis	02.04.0401.00	ARCHITECTURE	Bachelor	Retain	8	Monitored Status
61	Univ of Memphis	03.05.0201.00	AFRICAN AND AFRIC-AMER STUDIES	Bachelor	Retain	7	Monitored Status
62	Univ of Memphis	08.13.1314.00	PHYSICAL EDUC TEACHER EDUC	Bachelor	Retain	8	Monitored Status
63	Univ of Memphis	09.14.0901.00	COMPUTER ENGINEERING	Bachelor	Retain	7	Monitored Status
64	Univ of Memphis	09.15.0613.00	MANUFACTURING ENGIN TECH	Bachelor		7	
65	Univ of Memphis	25.40.0601.00	GEOLOGICAL SCIENCES	Bachelor		3	
66	Univ of Memphis	25.40.0801.00	PHYSICS	Bachelor	Retain	4	Monitored Status
67	Univ of Memphis	28.45.0601.00	ECONOMICS	Bachelor	Retain	7	Monitored Status
68	Univ of Memphis	28.45.0701.00	GEOGRAPHY	Bachelor	Retain	6	Monitored Status
69	Univ of Memphis	30.50.0703.00	ART HISTORY	Bachelor	Retain	7	Monitored Status
70	Univ of Memphis	25.40.0801.00	PHYSICS	Master's	Retain	3	Monitored Status
71	Univ of Memphis	26.42.1801.00	EDUCATIONAL PSYCH & RESEARCH	Master's	Retain	3	Monitored Status
72	Univ of Memphis	15.23.0101.00	ENGLISH: WRITING & LANG STUD	Doctorate	Retain	2	Retain
73	Univ of Memphis	25.40.0603.00	EARTH SCIENCES	Doctorate	Retain	3	Mets minimum productivity based on 08-09 graduates
74	Univ of Memphis	28.54.0101.00	HISTORY	Doctorate	Retain	1	Retain
75	Univ of Memphis	30.50.0901.00	MUSIC	Doctorate		2	
76	Univ of Memphis	31.51.0204.00	AUDIOLOGY & SPEECH-LANGUAGE PATHOLOGY	Doctorate	Retain	2	Monitored Status

Programs highlighted were also identified as low-producing during the 2005 review. Review was based on degrees awarded from 2000-01 to 2004-05.

Data Sources: Report of graduates from 2003-04 through 2008-09.

Tennessee Higher Education Commission
Institutional Response to 2009 Review of Low-Producing Programs
University of Tennessee

	Total Low-Producing Programs as of Jan 2009	Retain	Terminated	Termination Pending Governing Board Approval	Consolidate	Inactive	Removed from Low-Producing
UT Chattanooga	14	9	0	1	4	0	0
UT Knoxville	35	21	0	5	3	0	6
UT Martin	23	7	13	2	0	0	1
UT Memphis	14	10	1	0	0	2	1
UT System	86	47	14	8	7	2	8
		55%	16%	9%	8%	2%	9%

Sorted by institution, degree level (Bachelor, Master, Educational Specialist and Doctorate) and CIP code.

	Institution	2000 CIP	Program	Degree	Program Action	5 Year Average	Comment
1	UT Chattanooga	08.13.1302.00	ART EDUCATION	Bachelor	Consolidate	2	
2	UT Chattanooga	08.13.1306.00	FOREIGN LANGUAGE EDUC K-12	Bachelor	Terminate	1	Termination pending
3	UT Chattanooga	08.13.1311.00	SECONDARY MATHEMATICS	Bachelor	Consolidate	3	
4	UT Chattanooga	08.13.1312.00	MUSIC EDUCATION	Bachelor	Consolidate	2	
5	UT Chattanooga	08.13.1316.00	SECONDARY NATURAL SCIENCES	Bachelor	Consolidate	6	
6	UT Chattanooga	09.15.1501.00	ENGINEERING TECHNOLOGY MGMT	Bachelor	Retain	2	
7	UT Chattanooga	10.16.0101.00	FOREIGN LANGUAGE & LITERATURE	Bachelor	Retain	7	
8	UT Chattanooga	16.24.0103.00	HUMANITIES	Bachelor	Retain	4	
9	UT Chattanooga	19.27.0301.00	APPLIED MATHEMATICS	Bachelor	Retain	8	
10	UT Chattanooga	24.38.9999.01	PHILOSOPHY & RELIGION	Bachelor	Retain	7	
11	UT Chattanooga	25.40.0601.00	GEOLOGY	Bachelor	Retain	5	
12	UT Chattanooga	25.40.0801.00	PHYSICS	Bachelor	Retain	1	
13	UT Chattanooga	30.50.0501.00	THEATRE & SPEECH	Bachelor	Retain	4	
14	UT Chattanooga	30.50.0901.00	MUSIC	Bachelor	Retain	9	
15	UT Knoxville	01.01.1101.00	ENVIRONMENTAL & SOIL SCIENCES	Bachelor	Retain	6	Sufficient number of students in pipeline
16	UT Knoxville	08.13.1301.00	AGRICULTURAL SCIENCE	Bachelor	Retain	11	Mets minimum productivity based on 08-09 graduates
17	UT Knoxville	09.14.0301.00	BIOSYSTEMS ENGINEERING	Bachelor	Retain	6	Sufficient number of students in pipeline & steps have been identified to increase productivity
18	UT Knoxville	09.14.1201.00	ENGINEERING PHYSICS	Bachelor	Terminate	2	Termination pending effective fall 2010
19	UT Knoxville	09.14.1801.00	MATERIALS SCI & ENGINEERING	Bachelor	Retain	5	Sufficient number of students in pipeline & steps have been identified to increase productivity
20	UT Knoxville	10.16.0402.00	RUSSIAN	Bachelor	Consolidate	1	Consolidate as concentration within the Languages & World Business program -- discussions ongoing
21	UT Knoxville	10.16.0501.00	GERMAN	Bachelor	Retain	6	Program central to study abroad exchange program & recruitment inquiries from Volkswagen plant near Chattanooga
22	UT Knoxville	10.16.0902.00	ITALIAN	Bachelor	Consolidate	2	Consolidate as concentration within the Languages & World Business program -- discussions ongoing
23	UT Knoxville	21.30.9999.03	PRE-PROFESSIONAL PROGRAMS	Bachelor	Retain	7	Program serves as cluster for 5 pre-health programs. No additional cost to operate this program.
24	UT Knoxville	21.30.9999.04	INDIVIDUALIZED PROGRAM	Bachelor	Terminate	2	Termination pending effective fall 2011
25	UT Knoxville	24.38.0201.00	RELIGIOUS STUDIES	Bachelor	Retain	8	Identified steps to increase productivity
26	UT Knoxville	25.40.0601.00	GEOLOGY	Bachelor	Retain	8	Sufficient number of students in pipeline & steps have been identified to increase productivity
27	UT Knoxville	25.40.0801.00	PHYSICS	Bachelor	Retain	8	STEM emphasis
28	UT Knoxville	27.44.0401.00	PUBLIC ADMINISTRATION	Bachelor	Retain	10	Mets minimum productivity based on 08-09 graduates
29	UT Knoxville	30.50.0703.00	ART HISTORY	Bachelor	Retain	8	Critical to general education and no costs savings
30	UT Knoxville	31.51.1005.00	CLINICAL LABORATORY SCIENCE	Bachelor	Retain	3	Valuable training program for UTMHSC and students take same classes in Microbiology program
31	UT Knoxville	32.52.0601.00	ECONOMICS	Bachelor	Retain	11	Mets minimum productivity based on 08-09 graduates
32	UT Knoxville	08.13.0401.00	LEADERSHIP STUDIES IN EDUC	Master's	Retain	4	Identified steps to increase productivity
33	UT Knoxville	10.16.0501.00	GERMAN	Master's	Retain	2	Identified steps to increase productivity
34	UT Knoxville	12.19.0402.00	CONSUMER SERVICES MGMT	Master's	Terminate	3	Termination pending effective fall 2010
35	UT Knoxville	18.26.0202.00	BIOCHEM/CELL/MOLECULAR BIOLOGY	Master's	Retain	2	MS program available for students that leave the PhD program
36	UT Knoxville	25.40.0501.00	CHEMISTRY	Master's	Retain	4	MS program available for students who are not permitted to continue in PhD program

Sorted by institution, degree level (Bachelor, Master, Educational Specialist and Doctorate) and CIP code.

	Institution	2000 CIP	Program	Degree	Program Action	5 Year Average	Comment
37	UT Knoxville	32.52.1301.00	MANAGEMENT SCIENCE	Master's	Consolidate	4	Discussions pending with outcome of College Strategic Plan (2010-11)
38	UT Knoxville	08.13.0301.00	INSTR TECH & EDUC STUD	Educ Specialist	Terminate	1	Termination pending effective fall 2010
39	UT Knoxville	08.13.0401.00	EDUCATIONAL ADMIN	Educ Specialist	Terminate	2	Termination pending effective fall 2010
40	UT Knoxville	01.01.0000.00	PLANT, SOILS AND INSECTS	Doctorate	Retain	4	Mets minimum productivity based on 08-09 graduates
41	UT Knoxville	09.14.0201.00	AEROSPACE ENGINEERING	Doctorate	Retain	1	Identified steps to increase productivity
42	UT Knoxville	09.14.0301.00	BIOSYSTEMS ENGINEERING	Doctorate	Retain	1	Program critical to State and anticipation of federal investments
43	UT Knoxville	09.14.0701.00	CHEMICAL ENGINEERING	Doctorate	Retain	2	Identified steps to increase productivity and consideration of terminating MS program to focus more on PhD and research training
44	UT Knoxville	09.14.1301.00	ENGINEERING SCIENCE	Doctorate	Retain	1	Enrollment expected to increase due to trends in multidisciplinary research.
45	UT Knoxville	09.14.3201.00	POLYMER ENGINEERING	Doctorate	Retain	1	Plan to increase enrollment to 25 students by fall 2010 and streamline curriculum. If enrollments do not increase, will consider consolidating program with the Materials Sciences Eng program.
46	UT Knoxville	18.26.0503.00	MICROBIOLOGY	Doctorate	Retain	3	Mets minimum productivity based on 08-09 graduates
47	UT Knoxville	28.45.1101.00	SOCIOLOGY	Doctorate	Retain	2	Sufficient number of students in pipeline with 6 graduates expected within the next 2 years
48	UT Knoxville	28.54.0101.00	HISTORY	Doctorate	Retain	2	Dept considering ways to increase graduate assistantships
49	UT Knoxville	32.52.0601.00	ECONOMICS	Doctorate	Retain	3	Mets minimum productivity based on 08-09 graduates
50	UT Martin	08.13.1303.00	SECONDARY BUSINESS	Bachelor	Terminate	3	Terminated June 2009
51	UT Martin	08.13.1305.00	SECONDARY ENGLISH	Bachelor	Terminate	7	Terminated June 2009
52	UT Martin	08.13.1311.00	SECONDARY MATHEMATICS	Bachelor	Terminate	3	Terminated June 2009
53	UT Martin	08.13.1322.00	SECONDARY BIOLOGY	Bachelor	Terminate	6	Terminated June 2009
54	UT Martin	08.13.1323.00	SECONDARY CHEMISTRY	Bachelor	Terminate	0	Terminated June 2009
55	UT Martin	08.13.1325.00	SECONDARY FRENCH	Bachelor	Terminate	1	Terminated June 2009
56	UT Martin	08.13.1328.00	SECONDARY HISTORY	Bachelor	Terminate	9	Terminated June 2009
57	UT Martin	08.13.1330.00	SECONDARY SPANISH	Bachelor	Terminate	3	Terminated June 2009
58	UT Martin	08.13.1332.00	SECONDARY GEOGRAPHY	Bachelor	Terminate	0	Terminated June 2009
59	UT Martin	08.13.1399.03	SECONDARY EARTH & SPACE	Bachelor	Terminate	1	Terminated June 2009
60	UT Martin	08.13.1399.04	SECONDARY ECONOMICS	Bachelor	Terminate	1	Terminated June 2009
61	UT Martin	08.13.1399.06	SECONDARY GOVERNMENT	Bachelor	Terminate	1	Terminated June 2009
62	UT Martin	10.16.0901.00	FRENCH	Bachelor	Terminate	1	Termination pending effective fall 2010
63	UT Martin	10.16.0905.00	SPANISH	Bachelor	Terminate	5	Termination pending effective fall 2010
64	UT Martin	31.51.9999.06	HEALTH SCIENCES	Bachelor	Terminate	2	Terminated June 2009
65	UT Martin	08.13.1001.00	SPECIAL EDUCATION	Bachelor	Retain	9	Sufficient number of students in pipeline
66	UT Martin	19.27.0101.00	MATHEMATICS	Bachelor	Retain	2	STEM emphasis
67	UT Martin	24.38.0101.00	PHILOSOPHY	Bachelor	Retain	4	Program central to mission
68	UT Martin	25.40.0501.00	CHEMISTRY	Bachelor	Retain	7	Program central to mission
69	UT Martin	25.40.0601.00	GEOSCIENCE	Bachelor	Retain	7	STEM emphasis
70	UT Martin	28.45.0901.00	INTERNATIONAL STUDIES	Bachelor	Retain	4	Identified steps to increase productivity
71	UT Martin	30.50.0901.00	MUSIC	Bachelor	Retain	8	Program under review by Dean
72	UT Martin	01.01.0101.00	AGRI & NATURAL RESOURCE SYS MGT	Master's	Retain	5	Mets minimum productivity based on 08-09 graduates
73	UT Memphis	18.26.1001.00	PHARMACOLOGY	Master's	Retain	0	Identified steps to increase productivity
74	UT Memphis	18.26.1004.00	FORENSIC TOXICOLOGY	Master's	Inactive	0	Inactive
75	UT Memphis	18.26.1309.00	EPIDEMIOLOGY	Master's	Retain	5	Mets minimum productivity based on 08-09 graduates
76	UT Memphis	18.26.9999.01	BIOMEDICAL SCIENCES	Master's	Retain	2	MS program available for students that leave the PhD program
77	UT Memphis	31.51.0701.00	HEALTH SCIENCE ADMIN	Master's	Inactive	0	Inactive
78	UT Memphis	31.51.0799.01	CLINICAL LABORATORY SCIENCES	Master's	Retain	4	Identified steps to increase productivity
79	UT Memphis	31.51.2004.00	PHARMACEUTICAL SCIENCES	Master's	Retain	1	MS program available for students that leave the PhD program
80	UT Memphis	18.26.0202.00	BIOCHEMISTRY	Doctorate	Retain	1	Program under review and implications for the Integrated Program in Biomedical Sciences
81	UT Memphis	18.26.0503.00	MICROBIOLOGY	Doctorate	Terminate	1	Terminate
82	UT Memphis	18.26.0707.00	PHYSIOLOGY	Doctorate	Retain	1	Program under review and implications for the Integrated Program in Biomedical Sciences
83	UT Memphis	18.26.0910.00	PATHOLOGY	Doctorate	Retain	1	Program under review and implications for the Integrated Program in Biomedical Sciences
84	UT Memphis	18.26.1001.00	PHARMACOLOGY	Doctorate	Retain	1	Program under review and implications for the Integrated Program in Biomedical Sciences
85	UT Memphis	31.51.0204.00	SPEECH & HEARING SCIENCE	Doctorate	Retain	2	Sufficient number of students in pipeline
86	UT Memphis	31.51.0701.00	HEALTH SCIENCES ADMIN	Doctorate	Retain	2	Program review scheduled 2010-11

Programs highlighted were also identified as low-producing during the 2005 review. Review was based on degrees awarded from 2000-01 to 2004-05.

Data Sources: Report of graduates from 2003-04 through 2008-09.

Tennessee Higher Education Commission
Institutional Response to 2009 Review of Low-Producing Programs
Tennessee Board of Regents - Community Colleges

	Total Low-Producing Programs as of Jan 2009	Retain	Terminated	Termination Pending Governing Board Approval	Consolidate	Inactive	Removed from Low-Producing	No Recommended Action
Chattanooga	8	4	1	0	0	0	1	2
Cleveland	4	3	0	0	0	0	1	0
Columbia	6	4	0	0	0	0	1	1
Dyersburg	7	5	1	0	0	0	0	1
Jackson	6	1	1	0	0	0	1	3
Motlow	2	1	0	0	0	0	0	1
Nashville	12	7	0	1	0	0	0	4
Northeast	12	2	0	3	0	0	4	3
Pellissippi	3	0	2	0	0	0	0	1
Roane	8	6	0	1	0	0	0	1
Southwest	18	7	0	5	0	0	5	1
Volunteer	6	2	0	1	0	0	1	2
Walters	13	4	1	2	0	0	1	5
TBR Comm Colleges	105	46	6	13	0	0	15	25
		44%	6%	12%	0%	0%	14%	24%

Sorted by institution, degree level (Certificate and Associate) and CIP code.

	Institution	2000 CIP	Program	Degree	Program Action	3 Year Average	Comment
1	Chattanooga	09.15.0000.00	ENGINEERING TECHNOLOGY	Associate		12	
2	Chattanooga	09.15.0612.00	INDUSTRIAL MAINTENANCE TECH	Associate	Retain	3	Retain
3	Chattanooga	09.15.1301.00	CAD TECHNOLOGY	Certificate	Retain	3	Retain
4	Chattanooga	12.19.0501.00	EARLY CHILDHOOD EDUCATION	Associate	Retain	11	Mets minimum productivity based on 08-09 graduates
5	Chattanooga	13.21.0101.01	APPLIED TECHNOLOGY	Associate	Retain	7	Monitored Status
6	Chattanooga	14.22.0303.00	REAL TIME REPORTING	Associate	Terminate	3	Terminated August 2009
7	Chattanooga	27.43.0203.00	FIRE SCIENCE TECHNOLOGY	Associate		9	
8	Chattanooga	32.52.1201.00	INFORMATION SYSTEMS TECH	Certificate	Retain	6	Monitored Status
9	Cleveland	13.21.0101.00	GENERAL TECHNOLOGY	Associate	Retain	12	Mets minimum productivity based on 08-09 graduates
10	Cleveland	27.43.0107.00	LAW ENFORCEMENT TRAINING	Certificate	Retain	8	Monitored Status
11	Cleveland	27.44.9999.00	PUBLIC AND GOVERNMENT SERVICES	Associate	Retain	5	Monitored Status
12	Cleveland	31.51.0904.00	EMERGENCY MEDICAL SERVICES	Certificate	Retain	1	Monitored Status
13	Columbia	01.01.0601.00	HORTICULTURE	Associate	Retain	4	Monitored Status
14	Columbia	12.19.0706.00	EARLY CHILDHOOD EDUCATION	Certificate	Retain	17	Mets minimum productivity based on 08-09 graduates
15	Columbia	12.19.0706.00	EARLY CHILDHOOD EDUCATION	Associate		5	
16	Columbia	27.43.0107.00	CRIMINAL JUSTICE	Associate	Retain	6	Monitored Status
17	Columbia	30.50.0999.02	COMMERCIAL PERFORMANCE	Certificate	Retain	4	Monitored Status
18	Columbia	32.52.0201.01	BUSINESS MANAGEMENT	Certificate	Retain	7	Monitored Status
19	Dyersburg	06.11.0401.00	COMPUTER SYSTEMS OPERAT & MGT	Certificate	Retain	1	Monitored Status
20	Dyersburg	06.11.0401.00	COMPUTER INFORMATION TECH	Associate	Retain	5	Monitored Status
21	Dyersburg	12.19.0706.00	EARLY CHILDHOOD EDUCATION	Certificate	Retain	4	Monitored Status
22	Dyersburg	12.19.0706.00	EARLY CHILDHOOD EDUCATION	Associate		3	
23	Dyersburg	27.43.0107.00	JUSTICE SERVICES	Associate	Retain	4	Retain
24	Dyersburg	31.51.0707.00	MEDICAL CODING	Certificate	Retain	9	Monitored Status
25	Dyersburg	31.51.0708.00	MEDICAL TRANSCRIPTION	Certificate	Terminate	3	Terminated June 2009
26	Jackson	01.01.0601.00	HORTICULTURE	Certificate	Terminate	1	Terminated August 2009
27	Jackson	12.19.0706.00	EARLY CHILDHOOD EDUCATION	Associate		3	
28	Jackson	12.19.0799.00	HOME MANAGER	Certificate	Retain	6	Monitored Status
29	Jackson	13.21.0101.01	GENERAL TECHNOLOGY	Associate		6	
30	Jackson	30.50.0402.00	GRAPHICS DESIGN TECHNOLOGY	Associate		3	
31	Jackson	31.51.1004.00	MEDICAL LABORATORY TECHNICIAN	Associate	Retain	12	Mets minimum productivity based on 08-09 graduates
32	Motlow	12.19.0706.00	EARLY CHILDHOOD EDUCATION	Certificate	Retain	3	Monitored Status
33	Motlow	12.19.0706.00	EARLY CHILDHOOD EDUCATION	Associate		2	
34	Nashville	01.01.0605.00	HORTICULTURE & LAND, GARDENING	Certificate	Retain	6	Monitored Status
35	Nashville	06.11.0801.00	WEB PAGE AUTHORIZING	Certificate		3	
36	Nashville	07.12.0503.00	CULINARY ARTS	Certificate	Retain	2	Monitored Status
37	Nashville	07.12.0503.00	CULINARY SCIENCE	Associate		7	
38	Nashville	09.15.0000.00	ARCH, CIVIL & CONSTRU ENG TECH	Associate		9	

Sorted by institution, degree level (Certificate and Associate) and CIP code.

	Institution	2000 CIP	Program	Degree	Program Action	3 Year Average	Comment
39	Nashville	09.15.1301.00	COMPUTER-AIDED DRAFTING	Certificate	Retain	5	Retain
40	Nashville	10.16.1603.00	SIGN LANGUAGE INTERPRETING	Associate	Retain	5	Monitored Status
41	Nashville	12.19.0706.00	EARLY CHILDHOOD EDUCATION	Associate		8	
42	Nashville	27.44.0201.00	SOCIAL SERVICES	Associate	Retain	9	Retain
43	Nashville	29.47.0604.00	AUTOMOTIVE TECHNOLOGY	Associate	Retain	5	Monitored Status
44	Nashville	30.50.0605.00	PHOTOGRAPHY	Certificate	Retain	1	Monitored Status
45	Nashville	32.52.0701.00	ENTREPRENEURSHIP	Certificate	Terminate	3	Termination pending
46	Northeast	06.11.0203.00	CISCO NETWORK TECHNOLOGY	Certificate	Terminate	3	Termination pending
47	Northeast	06.11.0901.00	PERSONAL COMPUTER/NETWORK TECH	Certificate	Terminate	2	Termination pending
48	Northeast	12.19.0706.00	EARLY CHILDHOOD DEVELOPMENT	Certificate	Retain	9	Monitored Status
49	Northeast	12.19.0706.00	EARLY CHILDHOOD EDUCATION	Associate		8	
50	Northeast	13.21.0101.01	GENERAL TECHNOLOGY	Associate	Retain	13	Mets minimum productivity based on 08-09 graduates
51	Northeast	29.46.0302.01	CONSTRUCTION ELECTRICITY	Certificate	Retain	20	Mets minimum productivity based on 08-09 graduates
52	Northeast	29.47.0303.00	INDUSTRIAL MAINTENANCE	Certificate	Terminate	3	Termination pending
53	Northeast	29.48.0503.00	PRODUCTION MACHINE OPERATOR	Certificate		9	
54	Northeast	29.48.0508.00	COMBINATION WELDER	Certificate	Retain	10	Mets minimum productivity based on 08-09 graduates
55	Northeast	31.51.0904.00	EMERG MED TECHNOLOGY-PARAMED	Certificate	Retain	6	Monitored Status
56	Northeast	32.52.0302.00	ACCOUNTING TECHNOLOGY	Certificate	Retain	13	Mets minimum productivity based on 08-09 graduates
57	Northeast	32.52.0401.00	OFFICE TECHNOLOGY	Certificate		5	
58	Pellissippi	09.15.0201.00	CIVIL ENGINEERING TECHNOLOGY	Associate	Terminate	6	Terminated June 2009
59	Pellissippi	09.15.0303.01	ELECTRICAL ENGINEERING TECH	Associate	Terminate	6	Terminated June 2009
60	Pellissippi	13.21.0101.01	GENERAL TECHNOLOGY	Associate		5	
61	Roane	12.19.0706.00	EARLY CHILDHOOD EDUCATION	Associate		3	
62	Roane	27.43.0107.00	POLICE MANAGEMENT	Certificate	Terminate	1	Termination pending
63	Roane	28.45.0702.00	GEOGRAPHIC INFORMATION SYSTEMS	Associate	Retain	5	Monitored Status
64	Roane	28.45.0702.00	GEOGRAPHIC INFORMATION SYSTEMS	Certificate	Retain	8	Retain
65	Roane	31.51.0805.00	PHARMACY TECHNICIAN	Certificate	Retain	8	Retain
66	Roane	31.51.2202.00	ENVIRONMENTAL HEALTH TECH	Associate	Retain	6	Monitored Status
67	Roane	31.51.9999.00	DIAGNOSIS & PROCEDURAL CODING	Certificate	Retain	4	Monitored Status
68	Roane	32.52.0401.00	OFFICE INFORMATION TECH	Certificate	Retain	2	Monitored Status
69	Southwest	01.01.0605.00	LANDSCAPE MANAGEMENT	Certificate	Terminate	5	Termination pending
70	Southwest	01.01.0607.00	TURFGRASS MANAGEMENT	Certificate	Terminate	0	Termination pending
71	Southwest	01.01.0699.01	LANDSCAPE AND TURFGRASS MNGT	Associate	Terminate	5	Termination pending
72	Southwest	09.15.0101.00	ARCH/CONSTRUCTION FUNDMTLS	Certificate	Retain	10	Mets minimum productivity based on 08-09 graduates
73	Southwest	09.15.0701.00	OCCUPATIONAL SAFETY & ENV HEAL	Certificate	Terminate	0	Termination pending
74	Southwest	09.15.0702.00	QUALITY ASSURANCE	Certificate	Retain	10	Mets minimum productivity based on 08-09 graduates
75	Southwest	09.15.0805.00	MECHANICAL ENGINEERING TECH	Associate	Retain	10	Mets minimum productivity based on 08-09 graduates
76	Southwest	12.19.0706.00	EARLY CHILDHOOD EDUCATION	Certificate	Retain	8	Monitored Status
77	Southwest	12.19.0706.00	EARLY CHILDHOOD EDUCATION	Associate		5	
78	Southwest	27.43.0203.00	FIRE SCIENCE	Associate	Terminate	8	Termination pending
79	Southwest	29.46.0302.00	ELECTRIC UTILITY CONSTRUCTION	Certificate	Retain	3	Monitored Status
80	Southwest	29.46.0302.01	UTILITY TECHNOLOGY/ELECTRIC	Certificate	Retain	3	Monitored Status
81	Southwest	29.46.9999.00	UTILITY TECHNOLOGY.GAS	Certificate	Retain	0	Monitored Status
82	Southwest	29.47.0101.00	ELECTRONIC TECHNOLOGY	Associate	Retain	6	Monitored Status
83	Southwest	31.51.0805.00	PHARMACY TECHNICIAN	Certificate	Retain	10	Mets minimum productivity based on 08-09 graduates
84	Southwest	31.51.3104.00	DIETETIC TECHNICIAN	Associate	Retain	9	Monitored Status
85	Southwest	32.52.0101.00	CUSTOMS BROKERAGE	Certificate	Retain	3	Monitored Status
86	Southwest	32.52.0904.00	HOSPITALITY MANAGEMENT	Associate	Retain	11	Mets minimum productivity based on 08-09 graduates
87	Volunteer	12.19.0706.00	EARLY CHILDHOOD EDUCATION	Associate		3	
88	Volunteer	13.21.0101.01	GENERAL TECHNOLOGY	Associate		1	
89	Volunteer	27.44.0201.00	SOCIAL SERVICES	Associate	Terminate	1	Termination pending Spring 2010; no phase out
90	Volunteer	31.51.1004.00	MEDICAL LAB TECHNOLOGY	Associate	Retain	9	Monitored Status
91	Volunteer	31.51.1803.00	OPHTHALMIC TECHNICIAN	Associate	Retain	10	Mets minimum productivity based on 08-09 graduates
92	Volunteer	32.52.0401.00	OFFICE MANAGEMENT TECHNOLOGY	Certificate	Retain	6	Monitored Status
93	Walters	01.01.0603.00	PRODUCTION HORTICULTURE	Associate	Retain	9	Retain
94	Walters	06.11.0801.00	WEB DEVELOPER SPECIALIST	Certificate		3	
95	Walters	07.12.0503.00	CULINARY ARTS	Certificate	Retain	9	Monitored Status
96	Walters	09.15.0702.00	QUALITY CONTROL TECHNOLOGY	Certificate	Terminate	2	Termination pending
97	Walters	12.19.0706.00	EARLY CHILDHOOD EDUCATION	Associate		5	
98	Walters	23.32.0101.00	WORKFORCE PREPAREDNESS	Certificate		0	
99	Walters	29.47.0303.00	INDUSTRIAL MAINTENANCE	Certificate	Terminate	1	Termination pending
100	Walters	31.51.0707.00	HEALTH INFORMATION TECH	Associate	Retain	8	Monitored Status
101	Walters	31.51.0708.00	MEDICAL TRANSCRIPTION	Certificate	Retain	10	Mets minimum productivity based on 08-09 graduates
102	Walters	31.51.0713.01	MEDICAL INSURANCE SPECIALIST	Certificate	Retain	6	Monitored Status
103	Walters	31.51.0904.03	PARAMEDIC	Associate	Terminate	3	Terminated August 2009
104	Walters	32.52.0401.00	OFFICE ADMINISTRATION	Associate		5	
105	Walters	32.52.1299.01	INFORMATION TECHNOLOGY	Certificate		0	

Programs highlighted were also identified as low-producing during the 2005 review. Review was based on degrees awarded from 2002-03 to 2004-05.

Data Sources: Report of graduates from 2005-06 through 2008-09.

**Tennessee Higher Education Commission
 Doctoral Programs at TN Public Institutions *
 January 2010**

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Code	Program	East Tennessee	Middle Tennessee	Tennessee State	Tennessee Tech	Univ of Memphis	UT Chattanooga	UT Knoxville	UT Memphis
	2000 Carnegie Classification	Doctoral Research University	Master's Large	Doctoral Research University	Master's Large	Research University High	Master's Large	Research University Very High	N/A
	AGRICULTURE								
01.0000	Agriculture, General.							D	
01.0901	Animal Sciences, General.							D	
01.1001	Food Science.							D	
	NATURAL RESOURCES & CONSERVATION								
03.0101	Natural Resources/Conservation, General.							D	
03.0103	Environmental Studies				D				
	COMMUNICATION								
09.0102	Mass Communication/Media Studies					D		D	
	COMPUTER AND INFORMATION SCIENCE								
11.0701	Computer Science					New		D	
	EDUCATION								
13.0101	Education, General.							D	
13.0301	Curriculum and Instruction.			D	D	D			
13.0401	Educational Leadership and Administration	D		D		D	D		
13.0404	Educ, Instructional & Curriculum Supervision						D		
13.0406	Higher Education Administration.					D		New	
13.1101	Counselor Education/School Counseling					D			
13.1102	College Student Counseling							New	
13.1210	Early Childhood Education	New							
13.1315	Reading Teacher Education.		New						
13.9999	Education, Other		New						
	ENGINEERING								
14.0101	Engineering, General.				D	D			
14.0201	Aerospace, Aeronautical Engineering.							L-P	
14.0301	Agricultural/Biological Engineering							L-P	
14.0501	Biomedical/Medical Engineering.					D		New	D
14.0701	Chemical Engineering.							L-P	
14.0801	Civil Engineering, General.							D	
14.0901	Computer Engineering			L-P				New	
14.1001	Electrical, Electronics and Comm Engineering.							D	
14.1301	Engineering Science							L-P	
14.1801	Materials Engineering.							D	
14.1901	Mechanical Engineering.							D	
14.2301	Nuclear Engineering.							D	
14.2701	Systems Engineering						New		
14.3201	Polymer/Plastics Engineering							L-P	
14.3501	Industrial Engineering.							New	
	FOREIGN LANGUAGES								
16.0101	Foreign Languages and Literatures, General.							D	

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	2000 Carnegie Classification	Doctoral Research University	Master's Large	Doctoral Research University	Master's Large	Research University High	Master's Large	Research University Very High	N/A
	FAMILY & CONSUMER SCIENCES								
19.0101	Family and Consumer Sciences							D	
19.0501	Foods, Nutrition, and Wellness Studies, General.							New	
19.0701	Human Development & Family Studies							New	
	ENGLISH								
23.0101	English Language and Literature, General.		D			L-P		D	
	BIOLOGICAL & BIOMEDICAL SCIENCES								
26.0101	Biology/Biological Sciences, General.			L-P		D			
26.0102	Biomedical Sciences	D							
26.0202	Biochemistry							D	L-P
26.0204	Molecular Biology		New						
26.0403	Anatomy.								D
26.0503	Medical Microbiology and Bacteriology.							D	
26.0707	Animal Physiology.								L-P
26.0910	Pathology/Experimental Pathology.								L-P
26.1001	Pharmacology.								L-P
26.1301	Ecology.							D	
26.9999	Biological & Biomedical Sciences, Other							D	
	MATHEMATICS								
27.0101	Mathematics, General.					D		D	
27.0303	Computational Mathematics		New						
	PARKS, RECREATION & LEISURE								
31.0501	Health and Physical Education		D						
31.0505	Kinesiology and Exercise Science	New						New	
	PHILOSOPHY & RELIGIOUS STUDIES								
38.0101	Philosophy.					D		D	
	PHYSICAL SCIENCES								
40.0501	Chemistry, General.					D		D	
40.0601	Geology/Earth Science, General.					D		D	
40.0801	Physics, General.							D	
	PSYCHOLOGY								
42.0101	Psychology			D		D		D	
42.0201	Clinical Psychology	New							
42.0601	Counseling Psychology					D			
42.0901	Industrial and Organizational Psychology.							D	
42.1701	School Psychology							New	
42.1801	Educational Psychology					D		New	
	PUBLIC ADMINISTRATION & SOCIAL SERVICE								
44.0401	Public Administration.			L-P					
44.0701	Social Work.							D	

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	2000 Carnegie Classification	Doctoral Research University	Master's Large	Doctoral Research University	Master's Large	Research University High	Master's Large	Research University Very High	N/A
	SOCIAL SCIENCES								
45.0201	Anthropology							D	
45.0601	Economics, General		D						
45.0701	Geography.							D	
45.1001	Political Science and Government, General.							D	
45.1101	Sociology							D	
	VISUAL AND PERFORMING ARTS								
50.0901	Music, General					D, D			
	HEALTH PROFESSIONS								
51.0202	Audiology/Audiologist and Hearing Sciences	D				D			D
51.0204	Speech-Language Pathology/Pathologist					L-P			L-P
51.0701	Health Care Administration/Management								L-P
51.1608	Nursing Science	D						D	D
51.2004	Medicinal and Pharmaceutical Chemistry								D
51.2201	Public Health	New							
51.2202	Environmental Health	New							
51.2308	Physical Therapy/Therapist.	D		New			D		New, New
51.9999	Health Professions & Related Clinical Sciences, Other							D	
	BUSINESS, MGMT & MARKETING								
52.0201	Business Administration and Management					D		D	
52.0601	Business/Managerial Economics.							D	
52.0901	Hospitality Administration/Management							New	
52.1301	Management Science							D	
	HISTORY								
54.0101	History, General.					D		L-P	
54.0105	Public/Applied History and Archival Administration		New						
	Number of Doctoral Programs	10	8	7	3	23	4	53	13

2000 Carnegie Classification

Doctorate-granting Universities. Includes institutions that award at least 20 doctoral degrees per year (excluding doctoral-level degrees that qualify recipients for entry into professional practice, such as the JD, MD, PharmD, DPT, etc.).

- RU/VH: Research Universities (very high research activity)
- RU/H: Research Universities (high research activity)
- DRU: Doctoral/Research Universities

Master's Colleges and Universities. Generally includes institutions that award at least 50 master's degrees and fewer than 20 doctoral degrees per year.

- Master's/L: Master's Colleges and Universities (larger programs)
- Master's/M: Master's Colleges and Universities (medium programs)
- Master's/S: Master's Colleges and Universities (smaller programs)

* Excluded are the professional degree program offerings at East Tennessee (medical and pharmacy), University of Memphis (law), UT Knoxville (law and veterinary) and UT Memphis (medical, dental, and pharmacy).

**Tennessee Higher Education Commission
Productivity of Mature Doctoral Programs
2008-09 Degrees Awarded**

Bold denotes programs identified as low-producing based on 2004-05 to 2008-09 degrees awarded.

	Institution	CIP Code	Program	Degree Level	2008-09 Degrees Awarded
1	Tennessee Tech	03.0103	ENVIRONMENTAL SCIENCES	PhD	0
2	Univ of Memphis	54.0101	HISTORY	PhD	0
3	UT Knoxville	14.0301	BIOSYSTEMS ENGINEERING	PhD	0
4	UT Knoxville	14.3201	POLYMER ENGINEERING	PhD	0
5	UT Knoxville	38.0101	PHILOSOPHY	PhD	0
6	UT Knoxville	52.1301	MANAGEMENT SCIENCE	PhD	0
7	UT Memphis	26.0910	PATHOLOGY	PhD	0
8	UT Memphis	26.1001	PHARMACOLOGY	PhD	0
9	Tennessee State	14.0901	COMPUTER & INFO SYSTEMS	PhD	1
10	Univ of Memphis	26.0101	BIOLOGY	PhD	1
11	Univ of Memphis	50.0901	MUSIC	PhD	1
12	UT Chattanooga	13.0404	LEARNING & LEADERSHIP	EdD	1
13	UT Knoxville	01.0901	ANIMAL SCIENCE	PhD	1
14	UT Knoxville	14.0201	AEROSPACE ENGINEERING	PhD	1
15	UT Knoxville	14.0701	CHEMICAL ENGINEERING	PhD	1
16	UT Knoxville	51.0204	SPEECH & HEARING SCIENCE	PhD	1
17	UT Memphis	14.0501	BIOMEDICAL ENGIN (W/UoM)	PhD	1
18	UT Memphis	26.0707	PHYSIOLOGY	PhD	1
19	UT Memphis	51.2308	PHYSICAL THERAPY	SCDPT	1
20	East Tennessee	51.1608	NURSING	PhD	2
21	Univ of Memphis	51.0204	AUDIOLOGY & SPEECH LANGUAGE	PhD	2
22	UT Knoxville	01.1001	FOOD SCIENCE & TECHNOLOGY	PhD	2
23	UT Knoxville	11.0701	COMPUTER SCIENCE	PhD	2
24	UT Knoxville	14.1301	ENGINEERING SCIENCE	PhD	2
25	UT Knoxville	40.0601	GEOLOGY	PhD	2
26	UT Knoxville	44.0701	SOCIAL WORK	PhD	2
27	UT Knoxville	45.0201	ANTHROPOLOGY	PhD	2
28	UT Knoxville	45.1101	SOCIOLOGY	PhD	2
29	UT Knoxville	54.0101	HISTORY	PhD	2
30	UT Memphis	51.0701	HEALTH SCIENCES ADMINISTRATION	PhD	2
31	East Tennessee	51.0202	AUDIOLOGY	AUD	3
32	Tennessee State	26.0101	BIOLOGICAL SCIENCES	PhD	3
33	Tennessee State	44.0401	PUBLIC ADMINISTRATION	PhD	3
34	Univ of Memphis	13.1101	COUNSELING & PERSONNEL SERVICES	EdD	3
35	Univ of Memphis	14.0101	ENGINEERING	PhD	3
36	Univ of Memphis	23.0101	ENGLISH	PhD	3
37	Univ of Memphis	38.0101	PHILOSOPHY	PhD	3
38	UT Knoxville	16.0101	MODERN FOREIGN LANGUAGES	PhD	3
39	UT Knoxville	19.0101	HUMAN ECOLOGY	PhD	3
40	UT Knoxville	23.0101	ENGLISH	PhD	3
41	UT Knoxville	26.0202	BIOCHEMISTRY	PhD	3
42	UT Knoxville	42.0901	IND/ORG PSYCHOLOGY	PhD	3

**Tennessee Higher Education Commission
Productivity of Mature Doctoral Programs
2008-09 Degrees Awarded**

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	Institution	CIP Code	Program	Degree Level	2008-09 Degrees Awarded
43	UT Knoxville	51.1608	NURSING (JOINT W/UTMHSC)	PhD	3
44	UT Memphis	26.0202	BIOCHEMISTRY	PhD	3
45	Univ of Memphis	13.0401	LEADERSHIP & POLICY STUDIES	EdD	4
46	Univ of Memphis	40.0501	CHEMISTRY	PhD	4
47	Univ of Memphis	42.1801	EDUC & RESEARCH	PhD	4
48	Univ of Memphis	51.0202	AUDIOLOGY	AUD	4
49	UT Knoxville	14.0801	CIVIL ENGINEERING	PhD	4
50	UT Knoxville	14.2301	NUCLEAR ENGINEERING	PhD	4
51	UT Knoxville	27.0101	MATHEMATICS	PhD	4
52	UT Knoxville	45.0701	GEOGRAPHY	PhD	4
53	UT Knoxville	52.0601	ECONOMICS	PhD	4
54	Middle Tennessee	23.0101	ENGLISH	PhD	5
55	Tennessee Tech	13.0301	EXCEPTIONAL LEARNING	PhD	5
56	Univ of Memphis	14.0501	BIOMEDICAL ENGIN (W/UTMHSC)	PhD	5
57	Univ of Memphis	27.0101	MATHEMATICAL SCIENCES	PhD	5
58	UT Knoxville	26.9999	LIFE SCIENCES	PhD	5
59	UT Knoxville	45.1001	POLITICAL SCIENCE	PhD	5
60	UT Knoxville	51.9999	COMPARATIVE/EXPER MEDICINE	PhD	5
61	East Tennessee	26.0102	BIOMEDICAL SCIENCES	PhD	6
62	Middle Tennessee	45.0601	ECONOMICS	PhD	6
63	Univ of Memphis	09.0102	COMMUNICATION	PhD	6
64	Univ of Memphis	13.0406	HIGHER & ADULT EDUCATION	EdD	6
65	UT Knoxville	03.0101	NATURAL RESOURCES	PhD	6
66	UT Knoxville	14.1901	MECHANICAL ENGINEERING	PhD	6
67	UT Knoxville	01.0000	PLANT, SOILS AND INSECTS	PhD	7
68	UT Knoxville	26.0503	MICROBIOLOGY	PhD	7
69	UT Knoxville	26.1301	ECOLOGY & EVOLUTIONARY BIOLOGY	PhD	7
70	UT Memphis	51.0202	AUDIOLOGY & SPEECH PATHOLOGY	AUD	7
71	Tennessee State	42.0101	PSYCHOLOGY	PhD	8
72	Univ of Memphis	40.0601	EARTH SCIENCE	PhD	9
73	Univ of Memphis	52.0201	BUSINESS ADMINISTRATION	PhD	9
74	Univ of Memphis	50.0901	MUSIC	DMA	10
75	Middle Tennessee	31.0501	HUMAN PERFORMANCE	PhD	11
76	Tennessee State	13.0401	ADMIN & SUPERVISION	EdD	11
77	UT Knoxville	40.0501	CHEMISTRY	PhD	11
78	UT Memphis	26.0403	ANATOMY	PhD	11
79	Tennessee Tech	14.0101	ENGINEERING	PhD	12
80	Univ of Memphis	42.0601	COUNSELING	PhD	12
81	UT Knoxville	09.0102	COMMUNICATION & INFORMATION	PhD	12
82	UT Memphis	51.1608	NURSING (JOINT W/UTK)	PHD	12
83	Univ of Memphis	42.0101	PSYCHOLOGY	PhD	13
84	UT Knoxville	14.1001	ELECTRICAL ENGINEERING	PhD	13

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Productivity of Mature Doctoral Programs
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	Institution	CIP Code	Program	Degree Level	2008-09 Degrees Awarded
85	UT Knoxville	14.1801	MATERIALS SCIENCE & ENGINEERING	PhD	13
86	UT Knoxville	40.0801	PHYSICS	PhD	14
87	UT Knoxville	52.0201	BUSINESS ADMINISTRATION	PhD	15
88	Tennessee State	13.0301	CURRICULUM INSTRUCTION	EdD	16
89	Univ of Memphis	13.0301	INS & CURR LEADERSHIP	EdD	16
90	UT Knoxville	42.0101	PSYCHOLOGY	PhD	20
91	East Tennessee	51.2308	PHYSICAL THERAPY	PhD	29
92	UT Knoxville	13.0101	EDUCATION	PhD	32
93	East Tennessee	13.0401	EDUC LEADERSHIP	EdD	34
94	UT Memphis	51.2004	PHARMACEUTICAL SCIENCES	DNP	42
95	UT Chattanooga	51.2308	PHYSICAL THERAPY	PhD	45
96	UT Memphis	51.2308	PHYSICAL THERAPY	DPT	54

Tennessee Higher Education Commission
Productivity of Doctoral Programs Offered at Multiple Institutions
January 2010

Biological Sciences PhD Programs

Institution	CIP Code	Program	Degree Level	2004-05	2005-06	2006-07	2007-08	2008-09	5 Yr. Avg.	5 Yr Total
UT Memphis	26.0202	Biochemistry	PhD	3	0	0	0	0	1	3
Tennessee State	26.0101	Biological Sciences	PhD	3	3	0	0	3	2	9
UT Knoxville	26.0202	Biochemistry	PhD	2	6	3	2	3	3	16
UT Knoxville	26.0503	Microbiology	PhD	2	4	2	2	7	3	17
Univ of Memphis	26.0101	Biology	PhD	1	3	7	8	1	4	20
East Tennessee	26.0102	Biomedical Sciences	PhD	4	2	8	7	6	5	27
Grand Total				15	18	20	19	20	18	92

Institution	CIP Code	Program	Degree Level	Approval Date
Middle Tennessee	26.0204	Molecular Biosciences	PhD	16-Sep-09

NEW
Program

Education Doctoral Programs

Institution	CIP Code	Program	Degree Level	2004-05	2005-06	2006-07	2007-08	2008-09	5 Yr. Avg.	5 Yr Total
Univ of Memphis	13.0401	Leadership & Policy Studies	EdD	7	1	5	4	4	4	21
Univ of Memphis	13.0406	Higher & Adult Educ	EdD	12	4	9	2	6	7	33
Tennessee Tech	13.0301	Exceptional Learning	PhD	3	6	12	8	5	7	34
Univ of Memphis	13.0301	Inst & Curr Leadership	EdD	9	4	5	7	16	8	41
Tennessee State	13.0301	Curr & Instruction	EdD	9	12	11	16	16	13	64
Tennessee State	13.0401	Admin & Supervision	EdD	31	25	22	20	11	22	109
East Tennessee	13.0401	Educ Leadership	EdD	29	36	18	35	34	30	152
UT Knoxville	13.0101	Education	PhD	35	28	26	33	32	31	154
Grand Total				135	116	108	125	124	122	608

Institution	CIP Code	Program	Degree Level	Approval Date
UT Chattanooga	13.0404	Learning and Leadership	EdD	15-Jul-04
UT Knoxville	13.0406	Higher Education Administration	PhD	24-Jul-08
UT Knoxville	13.1102	Counselor Education	PhD	24-Jul-08
East Tennessee	13.1210	Early Childhood Education	PhD	24-Jul-08
Middle Tennessee	13.1315	Literacy Studies	PhD	26-Jul-07
Middle Tennessee	13.9999	Mathematics and Science Education	PhD	16-Sep-09

NEW
Programs

Psychology Doctoral Programs

Institution	CIP Code	Program	Degree Level	2004-05	2005-06	2006-07	2007-08	2008-09	5 Yr. Avg.	5 Yr Total
UT Knoxville	42.0901	Ind/Org Psychology	PhD	3	3	6	4	3	4	19
Univ of Memphis	42.1801	Educ & Research	PhD	3	6	3	5	4	4	21
Tennessee State	42.0101	Psychology	PhD	3	7	10	9	8	7	37
Univ of Memphis	42.0601	Counseling	PhD	6	5	10	8	12	8	41
Univ of Memphis	42.0101	Psychology	PhD	17	13	8	15	13	13	66
UT Knoxville	42.0101	Psychology	PhD	16	20	16	11	20	17	83
Grand Total				48	54	53	52	60	53	267

Institution	CIP Code	Program	Degree Level	Approval Date
East Tennessee	42.0201	Clinical Psychology	PhD	27-Jul-06
UT Knoxville	42.1701	School Psychology	PhD	24-Jul-08
UT Knoxville	42.1801	Educational Psychology & Research	PhD	24-Jul-08

NEW
Programs

Tennessee Higher Education Commission
Productivity of Doctoral Programs Offered at Multiple Institutions
January 2010

Engineering Doctoral Programs

Institution	CIP Code	Program	Degree Level	2004-05	2005-06	2006-07	2007-08	2008-09	5 Yr. Avg.	5 Yr Total
Tennessee State	14.0901	Computer & Info Systems	PhD	--	--	--	1	1	1	2
Tennessee Tech	14.0101	Engineering	PhD	8	7	10	13	12	10	50
Univ of Memphis	14.0501	Biomedical Eng (w/UTMHSC)	PhD	2	0	5	1	5	3	13
Univ of Memphis	14.0101	Engineering	PhD	2	4	4	8	3	4	21
UT Knoxville	14.0201	Aerospace Engineering	PhD	1	0	1	2	1	1	5
UT Knoxville	14.1301	Engineering Science	PhD	0	2	1	0	2	1	5
UT Knoxville	14.0301	Biosystems Engineering	PhD	1	3	1	2	0	1	7
UT Knoxville	14.3201	Polymer Engineering	PhD	2	3	0	2	0	1	7
UT Knoxville	14.2301	Nuclear Engineering	PhD	4	0	1	2	4	2	11
UT Knoxville	14.0701	Chemical Engineering	PhD	1	5	2	3	1	2	12
UT Knoxville	14.1901	Mechanical Engineering	PhD	3	2	7	2	6	4	20
UT Knoxville	14.0801	Civil Engineering	PhD	6	8	4	4	4	5	26
UT Knoxville	14.1001	Electrical Engineering	PhD	8	4	8	13	13	9	46
UT Knoxville	14.1801	Materials Science	PhD	11	8	17	10	13	12	59
UT Memphis	14.0501	Biomedical Eng (w/UoM)	PhD	3	2	0	0	1	1	6
Grand Total				52	48	61	63	66	58	290

Institution	CIP Code	Program	Degree Level	Approval Date
UT Knoxville	14.0501	Biomedical Engineering	PhD	29-Jan-08
UT Knoxville	14.0901	Computer Engineering	PhD	15-Jul-04
UT Chattanooga	14.2701	Computational Engineering	PhD	29-Jan-04
UT Knoxville	14.3501	Industrial Engineering	PhD	15-Jul-04

NEW
Programs

Highlighted programs are classified as low-producing.

**Tennessee Higher Education Commission
Analysis of Doctoral Programs: Low-Producing
January 2010**

	New	Mature	Low-Producing	% Low-Producing (Mature Programs)
East Tennessee	5	5	0	0%
Middle Tennessee	5	3	0	0%
Tennessee State	1	6	3	50%
Tennessee Tech	0	3	0	0%
Univ of Memphis	1	22	4	18%
UT Chattanooga	2	2	0	0%
UT Knoxville	11	42	8	17%
UT Memphis	0	13	5	38%
Total Doctoral Programs	25	96	20	21%

Doctoral Low-Producing Programs

	Institution	CIP Code	Program	Degree Level	2004-05	2005-06	2006-07	2007-08	2008-09	5 Yr. Avg.	5 Yr Total
1	Tennessee State	14.0901	Computer & Info Systems	PhD	--	--	--	1	1	1	2
2	Tennessee State	26.0101	Biological Sciences	PhD	3	3	0	0	3	2	9
3	Tennessee State	44.0401	Public Administration	PhD	0	1	3	4	3	2	11
4	Univ of Memphis	23.0101	English	PhD	3	2	3	1	3	2	12
5	Univ of Memphis	50.0901	Music	PhD	1	2	0	4	1	2	8
6	Univ of Memphis	51.0204	Audiology & Speech Language	PhD	2	3	2	1	2	2	10
7	Univ of Memphis	54.0101	History	PhD	3	1	2	1	0	1	7
8	UT Knoxville	14.0201	Aerospace Engineering	PhD	1	0	1	2	1	1	5
9	UT Knoxville	14.0301	Biosystems Engineering	PhD	1	3	1	2	0	1	7
10	UT Knoxville	14.0701	Chemical Engineering	PhD	1	5	2	3	1	2	12
11	UT Knoxville	14.1301	Engineering Science	PhD	0	2	1	0	2	1	5
12	UT Knoxville	14.3201	Polymer Engineering	PhD	2	3	0	2	0	1	7
13	UT Knoxville	45.1101	Sociology	PhD	1	2	1	4	2	2	10
14	UT Knoxville	51.0204	Speech & Hearing Science	PhD	1	1	3	2	1	2	8
15	UT Knoxville	54.0101	History	PhD	2	4	0	3	2	2	11
16	UT Memphis	26.0202	Biochemistry	PhD	3	0	0	0	3	1	6
17	UT Memphis	26.0707	Physiology	PhD	2	1	0	1	1	1	5
18	UT Memphis	26.0910	Pathology	PhD	4	1	0	1	0	1	6
19	UT Memphis	26.1001	Pharmacology	PhD	2	0	2	2	0	1	6
20	UT Memphis	51.0701	Health Sciences Administration	PhD	2	0	1	3	2	2	8

Notes:

Based on the January 2009 review of low-producing programs, the following 5 doctoral programs were removed based on 2008-09 graduates:

- Middle Tennessee State University - Economics
- Univ of Memphis -- Earth Sciences
- UT Knoxville -- Economics, Microbiology and Plant, Soils & Insects

**Tennessee Higher Education Commission
New Doctoral Programs Approved Since 2004
January 2010**

	New	Mature	Low- Producing	% Low- Producing (Mature Programs)
East Tennessee	5	5	0	0%
Middle Tennessee	5	3	0	0%
Tennessee State	1	6	3	50%
Tennessee Tech	0	3	0	0%
Univ of Memphis	1	22	4	18%
UT Chattanooga	2	2	0	0%
UT Knoxville	11	42	8	17%
UT Memphis	0	13	5	38%
Total Doctoral Programs	25	96	20	21%

New Doctoral Programs

	Institution	CIP Code	Program	Degree Level	Approval Date
1	UT Chattanooga	14.2701	Computational Engineering	PhD	29-Jan-04
2	UT Chattanooga	13.0404	Learning and Leadership	EdD	15-Jul-04
3	UT Knoxville	14.3501	Industrial and Information Engineering	PhD	15-Jul-04
4	UT Knoxville	14.0901	Computer Engineering	PhD	15-Jul-04
5	Middle Tennessee	54.0105	Public History	PhD	27-Jan-05
6	Tennessee State	51.2308	Physical Therapy	DPT	27-Jan-05
7	Univ of Memphis	11.0701	Computer Science	PhD	26-Jan-06
8	East Tennessee	42.0201	Clinical Psychology	PhD	27-Jul-06
9	East Tennessee	51.2202	Environmental Health	PhD	27-Jul-06
10	East Tennessee	51.2201	Public Health	DrPH	27-Jul-06
11	Middle Tennessee	13.1315	Literacy Studies	PhD	26-Jul-07
12	UT Knoxville	14.0501	Biomedical Engineering	PhD	29-Jan-08
13	East Tennessee	13.1210	Early Childhood Education	PhD	24-Jul-08
14	UT Knoxville	42.1801	Educational Psychology & Research	PhD	24-Jul-08
15	UT Knoxville	42.1701	School Psychology	PhD	24-Jul-08
16	UT Knoxville	13.1102	Counselor Education	PhD	24-Jul-08
17	UT Knoxville	13.0406	Higher Education Administration	PhD	24-Jul-08
18	UT Knoxville	31.0505	Exercise & Sports Science	PhD	24-Jul-08
19	UT Knoxville	19.0501	Nutritional Sciences	PhD	24-Jul-08
20	UT Knoxville	19.0701	Child & Family Studies	PhD	24-Jul-08
21	UT Knoxville	52.0901	Retail, Hospitality, & Tourism Management	PhD	24-Jul-08
22	East Tennessee	31.0505	Sport Physiology and Performance	PhD	16-Sep-09
23	Middle Tennessee	13.9999	Mathematics and Science Education	PhD	16-Sep-09
24	Middle Tennessee	26.0204	Molecular Biosciences	PhD	16-Sep-09
25	Middle Tennessee	27.0303	Computational Science	PhD	16-Sep-09