

DATE: January 26, 2012**SUBJECT:** Academic Program Review**ACTION RECOMMENDED:** Information

The policy landscape of Tennessee higher education, guided by the 2010-2015 Public Agenda for Higher Education and the outcomes-based funding formula, requires a sharpened emphasis on institutional mission differentiation and the health and productivity of the state's academic programs.

In order to meet the goal of attaining the national average of adults with at least an associate degree by 2025, academic programs must be characterized by careful planning and evaluation to ensure adequate levels of degree production, minimized levels of redundancy in degree offerings, and a continued focus on the unique mission of each institution.

Since the inception of the revised Letter of Intent and program approval process in January 2010, approval of new academic programs occurs at each regular THEC meeting and all program proposals are required to address a range of issues related to the Complete College Tennessee Act. At the July 2011 Commission meeting, approval of new programs at the community colleges has been delegated to the Tennessee Board of Regents.

This Academic Program Review provides a holistic view of the status of degree programs throughout the state, including:

Program Activity Report: Depicts new programs that have been added to the state inventory in the previous year as well as programs that have been terminated.

Post Approval Monitoring: Assesses success of new programs approved within the last five years against their projected enrollment, graduation and financial goals. In order to gain a sense of how similar new programs have fared, this information should be utilized by all institutions during the program proposal process.

Program Productivity Review: On-going monitoring of all programs in operation for more than five years is conducted to identify those that are not graduating a sufficient number of students as well as those that are thriving. This report highlights top-producing statewide programs and top-producing programs at individual institutions. These analyses provide insight into the mission distinction of each institution.

Performance Funding Qualitative Reviews: Results of accreditation reviews, consultant evaluations, or academic audits of established programs as a Performance Funding qualitative measure.

1) Program Activity Report

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 2011, the Commission approved a total of 23 new programs and the governing boards terminated 17 programs. The Board of Regents approved 67 certificate programs that were less than 24 credit hours. A complete listing of program approvals and terminations can be found in Appendix A.

Table 1: 2011 New Programs and Terminations

	New Programs	Reactivation	Terminations	Net Change
TBR Universities	6	0	7	-1
UT System	2	1	8	-5
TBR Community Colleges	84	0	2	82
Total Actions	92	1	17	76

- Of the 92 new programs, 69 programs were certificates of less than 24 credit hours approved by the Board of Regents. Additionally, THEC approved the General Education Core certificate at all community colleges, which is a credential that recognizes completion of the 41 credit hour curriculum that fulfills the Tennessee Transfer Pathways general education requirements.
- THEC also approved seven graduate programs and a single program at both the baccalaureate and associate degree level. Each of these programs was approved under the new program approval process and is congruent with the institutional mission profile.
- The programs terminated by the governing boards during the previous year represented an almost equal mix of baccalaureate and post-baccalaureate level programs. One doctoral program, one Educational Specialist and seven Master's programs were removed from the state inventory, while five bachelors and two programs at the community colleges were terminated.

2) Post Approval Monitoring

Newly approved programs are evaluated under 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 projections, program cost, program progress toward accreditation, and other goals agreed upon by the governing boards and THEC through program authorization.

THEC can recommend termination for those programs that do not, over the monitoring period, show improvement. The full summary of Post Approval Monitoring can be found in Appendix B.

Table 2: Summary of Post Approval Monitoring

	Programs Meeting Benchmarks	Programs Not Meeting Benchmarks
TBR Universities	13	21
UT System	8	14
TBR Community Colleges	4	7
Total	25	42

Of the 67 programs reviewed during the 2011 Post Approval Monitoring cycle, 25 or 37% met the projections listed in the program proposal or exceeded productivity benchmarks.

3) Program Productivity Review

Once a program completes the Post Approval Monitoring cycle, it is considered “mature” and is then evaluated through THEC’s Program Productivity 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 pre-baccalaureate programs
- An average of five graduates for master’s programs over five-years, and
- An average of three graduates 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.

Programs identified as low producing for the 2010-11 academic year can be found in Appendix C.

Table 3: Low-Producing Program Status - January 2012

	Low Producing	Consolidate	Terminate	Retain
TBR Universities	32	2	4	26
UT System	43	0	9	34
TBR Community Colleges	29	0	2	27
Total	104	2	15	87

Based on feedback from both the system and institutional level, Commission staff conducted analysis of low-producing programs to identify those degree fields which constituted core academic programs essential to the institution's general education infrastructure, and were under-productive at more than three institutions.

Following these guidelines, programs in Mathematics, Philosophy and Physics were extracted and identified as "Core CIP" programs, rather than as simply low-producing programs and are not included in this report.

There are currently 15 programs that have either been terminated by governing boards or 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. Thus, terminating a program with enrolled students does not 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.

Close to 90 low-producing programs were recommended by the institution for retention. Many of the low producing programs identified for retention were also submitted with steps identified to improve overall program productivity as well as a discussion of the program contribution courses to general education or academic minors.

Productive Programs. The academic program review included analysis of not only low-producing programs, but also sought to identify those programs which are highly productive and are worthy of mention as successful academic programs at each institution.

The distribution of productive programs among four year institutions was diverse, ranging from health professions programs to interdisciplinary programs intended for adult students.

However, among community colleges, the General Transfer Associate degree intended to prepare students for admission to a four year university was the most productive program. This indicates that the vast majority of degrees awarded at this level are to students likely seeking to fulfill the general education requirements of a bachelor's degree program.

Top Producing Programs by Institution, 2010-11

Tennessee Board of Regents 4 Year Institutions

Austin Peay State University

- **Bachelor** Business Admin, BBA
- **Master's** Management, MS

East Tennessee State University

- **Bachelor** Nursing, BSN
- **Master's** Nursing, MSN
- **Doctoral** Education Leadership, EdD

Middle Tennessee State University

- **Bachelor** Liberal Studies
- **Master's** Curriculum and Instruction, MEd
- **Doctoral** Human Performance, PhD

Tennessee State University

- **Bachelor** Interdisciplinary Studies, BS
- **Master's** Nursing, MSN
- **Doctoral** Doctor of Physical Therapy, DPT

Tennessee Technological University

- **Bachelor** Multidisciplinary Studies, BS
- **Master's** Educational Leadership, MA
- **Doctoral** Engineering, PhD

University of Memphis

- **Bachelor** Professional Studies, BS
- **Master's** Teaching, MAT
- **Doctoral** Psychology, PhD

University of Tennessee System

University of Tennessee- Chattanooga

- **Bachelor** Business Administration, BS
- **Master's** Business Administration, MBA
- **Doctoral** Doctor of Physical Therapy, DPT

University of Tennessee- Knoxville

- **Bachelor** Psychology, BA
- **Master's** Business Administration, MBA
- **Doctoral** Education, PhD

University of Tennessee- Martin

- **Bachelor** Individualized Program, BS
- **Master's** Business Administration, MBA

4) Performance Funding Qualitative Reviews

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 to seven years by THEC program evaluation criteria.

Table 4: Academic Program Evaluation by Type

	Accreditable Programs	Traditional Program Review	Academic Audit	Total
TBR Universities	295	172	66	533
UT System	127	148	0	275
TBR Comm Colleges	148	39	96	283
Total	570	359	162	1091
Percentage	52%	33%	15%	

- During 2010-11, approximately 80 academic programs were evaluated using the traditional program review or academic audit. Effective with the 2010-15 performance funding cycle, associate degree programs that contain embedded certificates are evaluated as part of the respective associate degree program. Embedded certificates are programs whose curriculum, content and requirements are contained within the greater requirements of a related associate degree program. For example, the Criminal Justice AAS degree would be responsible for evaluating the Homeland Security technical certificate degree program.

These reviews and subsequent follow-up by the institutions and governing boards also help to assess program quality, need, and demand.

- Currently 570 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 newly approved programs (39) and two programs in which accreditation is pending. It is projected that by the end of the 2010-15 performance funding cycle, all mature eligible programs will be accredited. Annually, institutions are now required to provide status reports for all programs that are seeking accreditation.

Appendix A
Program Activity Report: New Programs

In 2011, THEC approved 23 new programs (3 doctoral, 4 masters, 1 bachelor, 1 associate and 14 certificate degree programs).

	Institution	Academic Program	Degree Level	Approval Date
1	Volunteer	Veterinary Technology	Associate	Jan-11
2	Tennessee Tech	Environmental and Sustainability Studies	Bachelor	Nov-11
3	East Tennessee	Geosciences	Masters	Jul-11
4	Middle Tennessee	Information Systems	Masters	May-11
5	Middle Tennessee	Leisure and Sport Management	Masters	May-11
6	Middle Tennessee	International Affairs	Masters	May-11
7	UT Knoxville	Energy Science and Engineering	Doctorate	Jan-11
8	Univ of Memphis	Epidemiology	Doctorate	Jul-11
9	UT Knoxville	Social Work	Doctorate	Jul-11
10	Chattanooga	Process Technology (24 hrs)	Certificate	Jul-11
11	Chattanooga	General Education Core (41 hrs)	Certificate	Jul-11
12	Cleveland	General Education Core (41 hrs)	Certificate	Jul-11
13	Columbia	General Education Core (41 hrs)	Certificate	Jul-11
14	Dyersburg	General Education Core (41 hrs)	Certificate	Jul-11
15	Jackson	General Education Core (41 hrs)	Certificate	Jul-11
16	Motlow	General Education Core (41 hrs)	Certificate	Jul-11
17	Nashville	General Education Core (41 hrs)	Certificate	Jul-11
18	Northeast	General Education Core (41 hrs)	Certificate	Jul-11
19	Pellissippi	General Education Core (41 hrs)	Certificate	Jul-11
20	Roane	General Education Core (41 hrs)	Certificate	Jul-11
21	Southwest	General Education Core (41 hrs)	Certificate	Jul-11
22	Volunteer	General Education Core (41 hrs)	Certificate	Jul-11
23	Walters	General Education Core (41 hrs)	Certificate	Jul-11

Appendix A
Program Activity Report: New Programs

In 2011, the Tennessee Board of Regents approved 69 certificates of less than 24 credit hours.

	Institution	Academic Program	Degree Level	Approval Date
1	Chattanooga	Advanced Process Technology (17 hrs)	Certificate	Apr-11
2	Chattanooga	Chemical Laboratory Technology (22 hrs)	Certificate	Apr-11
3	Chattanooga	Animal Care Technology (18 hrs)	Certificate	Jun-11
4	Chattanooga	Early Childhood Education (23 hrs)	Certificate	Jun-11
5	Chattanooga	Management (21 hrs)	Certificate	Jun-11
6	Chattanooga	Lean Manufacturing (21 hrs)	Certificate	Jun-11
7	Chattanooga	Web Design (18 hrs)	Certificate	Jun-11
8	Chattanooga	Web Programming (21 hrs)	Certificate	Jun-11
9	Chattanooga	General Education Core (15-17 hrs)	Certificate	Jun-11
10	Chattanooga	Basic Bookkeeping (15 hrs)	Certificate	Jul-11
11	Chattanooga	Basic Tax Accounting (15 hrs)	Certificate	Jul-11
12	Chattanooga	Entrepreneurship (18 hrs)	Certificate	Jul-11
13	Chattanooga	Paralegal Studies (18 hrs)	Certificate	Jul-11
14	Chattanooga	Mechanical Systems (20 hrs)	Certificate	Jul-11
15	Chattanooga	Electrical & Instr. Systems (20 hrs)	Certificate	Jul-11
16	Chattanooga	Automotive Production Technology (20 hrs)	Certificate	Jul-11
17	Cleveland	Network Systems Design (20 hrs)	Certificate	Apr-11
18	Cleveland	Architectural Design (22 hrs)	Certificate	Apr-11
19	Cleveland	Civil Technology (21 hrs)	Certificate	Apr-11
20	Cleveland	Electrical Maint Fundamentals (16 hrs)	Certificate	Apr-11
21	Cleveland	Industrial Auto Fundamentals (19 hrs)	Certificate	Apr-11
22	Cleveland	Mechanical Drafting (19 hrs)	Certificate	Apr-11
23	Cleveland	Mech Maintenance Fundamentals (15 hrs)	Certificate	Apr-11
24	Cleveland	Zero Energy Housing (17 hrs)	Certificate	Apr-11
25	Cleveland	Climate Control (22 hrs)	Certificate	Apr-11
26	Cleveland	Technology Essentials (12 hrs)	Certificate	Apr-11
27	Cleveland	Process Control Fundamentals (21 hrs)	Certificate	Apr-11
28	Cleveland	Construction Applications (21 hrs)	Certificate	Apr-11
29	Cleveland	Construction Surveying (17 hrs)	Certificate	Apr-11
30	Cleveland	Pre-Allied Health (23 hrs)	Certificate	Jun-11
31	Cleveland	General Education Core (15-17 hrs)	Certificate	Jun-11
32	Columbia	Pre-Allied Health (23 hrs)	Certificate	Jun-11
33	Columbia	General Education Core (15-17 hrs)	Certificate	Jun-11

	Institution	Academic Program	Degree Level	Approval Date
34	Dyersburg	Pre-Allied Health (23 hrs)	Certificate	Jun-11
35	Dyersburg	General Education Core (15-17 hrs)	Certificate	Jun-11
36	Jackson	Pre-Allied Health (23 hrs)	Certificate	Jun-11
37	Jackson	General Education Core (15-17 hrs)	Certificate	Jun-11
38	Jackson	Phlebotomy Technician (9 hrs)	Certificate	Jul-11
39	Nashville	Pre-Allied Health (23 hrs)	Certificate	Jun-11
40	Nashville	General Education Core (15-17 hrs)	Certificate	Jun-11
41	Northeast	Pre-Allied Health (23 hrs)	Certificate	Jun-11
42	Northeast	General Education Core (15-17 hrs)	Certificate	Jun-11
43	Pellissippi	Digital Imaging for Photography (12 hrs)	Certificate	Jan-11
44	Pellissippi	Univ Computer Science Preparation (16 hrs)	Certificate	Jan-11
45	Pellissippi	Information Systems Fundamentals (12 hrs)	Certificate	Jan-11
46	Pellissippi	Web Page Authoring (12 hrs)	Certificate	Jan-11
47	Pellissippi	E-Commerce Web Design (12 hrs)	Certificate	Jan-11
48	Pellissippi	Mobile Web Design (12 hrs)	Certificate	Jan-11
49	Pellissippi	Accessible Web Design (12 hrs)	Certificate	Jan-11
50	Pellissippi	Web Design Tools (13 hrs)	Certificate	Jan-11
51	Pellissippi	A+/Network+Certification Prep (12 hrs)	Certificate	Jan-11
52	Pellissippi	Architectural AutoCAD Applications (15 hrs)	Certificate	Jan-11
53	Pellissippi	Electronics Technology (14 hrs)	Certificate	Jan-11
54	Pellissippi	Pre-Business Transfer (14 hrs)	Certificate	Jan-11
55	Pellissippi	Basic Photography (16 hrs)	Certificate	Jan-11
56	Pellissippi	Elect Health Records Specialist (13 hrs)	Certificate	Jan-11
57	Pellissippi	Promotion Methods (12 hrs)	Certificate	Jan-11
58	Pellissippi	Supervision (12 hrs)	Certificate	Jan-11
59	Pellissippi	Accounting Specialist (12 hrs)	Certificate	Jan-11
60	Pellissippi	Document Specialists (12 hrs)	Certificate	Jan-11
61	Pellissippi	General Hospitality (13 hrs)	Certificate	Jan-11
62	Pellissippi	Pre-Allied Health (23 hrs)	Certificate	Jun-11
63	Pellissippi	General Education Core (15-17 hrs)	Certificate	Jun-11
64	Volunteer	Web Designer (Level I) (18 hrs)	Certificate	Jun-11
65	Volunteer	Web Designer (Level II) (18 hrs)	Certificate	Jun-11
66	Volunteer	Pre-Allied Health (23 hrs)	Certificate	Jun-11
67	Volunteer	General Education Core (15-17 hrs)	Certificate	Jun-11
68	Volunteer	Paralegal Studies (19 hrs)	Certificate	Jul-11
69	Walters	Pre-Allied Health (23 hrs)	Certificate	Jun-11

Appendix A
Program Activity Report: Terminated Programs

In 2011, the governing boards terminated 17 programs (2 pre-baccalaureate, 6 bachelors, and 9 graduate).

	Institution	Academic Program	Degree Level
1	Cleveland	Workforce Preparedness	Certificate
2	East Tennessee	Biomedical Sciences	Masters
3	Jackson	Early Childhood Education	Associate
4	Tennessee State	English	Masters
5	Tennessee State	Mathematical Sciences	Masters
6	Tennessee State	Music Education	Masters
7	Tennessee State	Foreign Languages	Bachelors
8	Tennessee State	Africana Studies	Bachelors
9	Tennessee State	Physics	Bachelors
10	UT Knoxville	Health & Human Sciences	Doctorate
11	UT Knoxville	Planning	Masters
12	UT Knoxville	Safety	Masters
13	UT Knoxville	Individualized Program	Bachelors
14	UT Knoxville	Sport Studies	Masters
15	UT Knoxville	School Counseling	Educ Specialist
16	UT Knoxville	Sport Management	Bachelors
17	UT Knoxville	Engineering Physics	Bachelors

Appendix B
2010-11 Post Approval Monitoring
Programs – Benchmarks Attained

Austin Peay State University

- Teaching, MAT

East Tennessee State University

- Anthropology, BA
- Pharmacy, PharmD
- Sports, Physiology & Performance, PhD

Middle Tennessee State University

- Global Studies, BA
- Exercise Studies, BS
- Forensic Science, BS
- Literacy Studies, PhD
- Computational Science, PhD
- Math and Science Education, PhD

University of Memphis

- Interior Design, BFA

Tennessee State University

- Physical Therapy, DPT

Regents Online Campus Collaborative

- Master of Professional Studies

Chattanooga State Community College

- Paramedic, Certificate

Nashville State Community College

- Healthcare Management, AAS

University of Tennessee, Chattanooga

- Mathematics, MS

University of Tennessee, Knoxville

- Landscape Architecture, MLA, MA, MS
- School Psychology, PhD
- Exercise and Sports Science, PhD
- Nutritional Sciences, PhD

University of Tennessee, Martin

- Finance, BSBA

**University of Tennessee
Health Science Center**

- Health Informatics and Information Management, MS
- Dental Hygiene, MDH

Roane State Community College

- Allied Health Services, AAS

Volunteer State Community College

- Criminal Justice/Law Enforcement, AAS

Appendix B
2010-11 Post-Approval Monitoring
Benchmarks Not Attained

Austin Peay State University

- Chemical Engineering Tech, AAS*
- Military History, MA*

East Tennessee State University

- International Affairs, BA*
- Theatre, BA
- Women's Studies, BA
- Bluegrass, Old Time, and Country Music, BA
- Allied Health, MSAH
- Early Childhood Education, PhD*
- Public Health, DrPH*
- Clinical Psychology, PhD
- Environmental Health, PhD

Middle Tennessee State University

- Horse Science, MS*
- Molecular Bioscience, PhD*

Tennessee State University

- Urban Studies, BS*
- Occupational Therapy, MOT*
- Public Health, MPH

University of Memphis

- Public Health, MPH*
- Architecture, MS
- Computer Science, MS*
- Computer Science, PhD*
- Social and Behavior Science, PhD*

Dyersburg State Community College

- Paramedic, Certificate *
- Emergency Services, AAS *

Nashville State Community College

- 3D Design and Graphics, Certificate
- Paralegal Studies, AAS *
- Logistics Technology, AAS

University of Tennessee, Chattanooga

- Mechanical Engineering, BS*
- Early Childhood Education, BS*
- Electrical Engineering, BS
- Athletic Training, MS*
- Doctor of Nursing Practice, DNP*

University of Tennessee, Knoxville

- Reliability and Maintainability Engineering, MS
- Biomedical Engineering, MS*
- Biomedical Engineering, PhD*
- Educational Psychology and Research, PhD*
- Counselor Education, PhD
- Higher Education Administration, PhD
- Child and Family Studies, PhD
- Retail, Hospitality, and Tourism Management, PhD

**University of Tennessee
Health Science Center**

- Cytopathology Practice, MS

Southwest TN Community College

- Paramedic, AAS *

Walters State Community College

- Clean Energy Technology, AAS

** Program met either enrollment or graduation benchmark*

Appendix C

Program Productivity Report: Low Producing Programs

At the universities, 75 programs were identified as low-producing based on the report of graduates from 2005-06 through 2009-10. Number of low-producing programs by degree level: 50 baccalaureate, 19 Master's and 6 doctoral programs.

Institution	CIP	Academic Program	Degree Level	5 Yr. Avg.	Response
Benchmark for Baccalaureate Programs: 10 graduates over a 5-year period					
Univ of Memphis	04.0401	Architecture	Bachelor	8	Retain
Univ of Memphis	05.0201	Africana Studies	Bachelor	7	Retain
UT Martin	11.0701	Computer Science	Bachelor	8	Retain
Tennessee Tech	11.0801	Web Design	Bachelor	6	Consolidate
UT Chattanooga	13.1001	Exceptional Learning	Bachelor	8	Retain
Tennessee State	13.1210	Early Childhood Ed.	Bachelor	4	Retain
UT Chattanooga	13.1302	Art Education	Bachelor	2	Retain
Univ of Memphis	13.1314	PE Teacher Education	Bachelor	7	Retain
UT Knoxville	13.1319	Human Resource Development	Bachelor	7	Terminate
Tennessee State	14.0801	Civil Engineering	Bachelor	6	Retain
Univ of Memphis	14.0901	Computer Engineering	Bachelor	5	Retain
UT Knoxville	14.1801	Materials Eng.	Bachelor	5	Retain
Tennessee State	14.1901	Mechanical Eng	Bachelor	7	Retain
Middle Tennessee	15.0303	Environmental Science	Bachelor	6	Retain
UT Chattanooga	15.1501	Industrial Technology Mgmt	Bachelor	5	Retain
UT Chattanooga	16.0101	Foreign Languages	Bachelor	8	Retain
Tennessee Tech	16.0101	Foreign Languages	Bachelor	9	Retain
UT Knoxville	16.0402	Russian	Bachelor	1	Terminate
UT Knoxville	16.0501	German	Bachelor	5	Terminate
UT Martin	16.0901	French	Bachelor	1	Terminate
UT Knoxville	16.0902	Italian	Bachelor	3	Terminate
Austin Peay	16.0905	Spanish	Bachelor	3	Terminate
UT Martin	16.0905	Spanish	Bachelor	5	Retain
UT Chattanooga	24.0103	Humanities	Bachelor	5	Retain
Tennessee State	27.0101	Mathematics	Bachelor	8	Retain
Tennessee Tech	27.0101	Mathematics	Bachelor	6	Retain
UT Chattanooga	27.0301	Applied Math	Bachelor	5	Retain
UT Knoxville	38.0201	Religious Studies	Bachelor	8	Retain
UT Chattanooga	38.9999	Philosophy/Religion	Bachelor	7	Retain
UT Martin	40.0501	Chemistry	Bachelor	7	Retain
Austin Peay	40.0601	Geosciences	Bachelor	9	Retain
UT Chattanooga	40.0601	Geology	Bachelor	5	Retain
Tennessee Tech	40.0601	Geosciences	Bachelor	8	Retain
UT Knoxville	40.0601	Geology	Bachelor	9	Terminate
UT Martin	40.0601	Geoscience	Bachelor	8	Retain
Tennessee Tech	40.0801	Physics	Bachelor	4	Retain
Univ of Memphis	45.0701	Geography	Bachelor	9	Consolidate
UT Martin	45.0901	International Studies	Bachelor	6	Retain
UT Chattanooga	50.0501	Theatre	Bachelor	3	Retain

Institution	CIP	Academic Program	Degree Level	5 Yr. Avg.	Response
Tennessee State	50.0701	Art	Bachelor	7	Retain
UT Knoxville	50.0703	Art History	Bachelor	9	Retain
Univ of Memphis	50.0703	Art History	Bachelor	6	Retain
East Tennessee	50.0901	Music	Bachelor	9	Retain
UT Chattanooga	50.0901	Music	Bachelor	9	Retain
Tennessee State	51.0701	Health Care Admin	Bachelor	9	Retain
UT Knoxville	51.1005	Clinical Lab Science	Bachelor	2	Retain
UT Martin	51.9999	Health Sciences	Bachelor	2	Terminate
Middle Tennessee	52.0204	Office Management	Bachelor	8	Retain
East Tennessee	52.0601	Economics	Bachelor	8	Retain
Tennessee State	54.0101	History	Bachelor	8	Retain
Benchmark for Master's Programs: 5 graduates over a 5-year period					
UT Knoxville	01.0901	Animal Science	Masters	4	Retain
UT Knoxville	01.1001	Food Science	Masters	4	Retain
UT Knoxville	01.1105	Entomology/Plant Pathology	Masters	3	Retain
UT Knoxville	01.1202	Environmental /Soil Science	Masters	2	Retain
UT Knoxville	03.0501	Forestry	Masters	3	Retain
East Tennessee	13.1299	Teaching (ROCC)	Masters	1	Retain
Austin Peay	13.1299	Teaching (ROCC)	Masters	1	Retain
Tennessee State	13.1299	Teaching (ROCC)	Masters	1	Retain
UT Knoxville	14.3201	Polymer Engineering	Masters	2	Terminate
UT Knoxville	26.0202	Biochemistry	Masters	2	Retain
UT Knoxville	26.1301	Ecology/Evo. Biology	Masters	4	Retain
UT Knoxville	26.9999	Life Sciences	Masters	2	Retain
Middle Tennessee	40.0501	Chemistry	Masters	3	Retain
Austin Peay	42.0101	Psychology	Masters	4	Retain
Middle Tennessee	49.0104	Aviation Administration	Masters	2	Retain
UT Chattanooga	50.0901	Music	Masters	4	Retain
UT Knoxville	51.9999	Comparative/Exper Medicine	Masters	1	Retain
East Tennessee	52.0206	Public Admin.	Masters	2	Terminate
UT Knoxville	52.1301	Management Science	Masters	4	Retain
Benchmark for Doctoral Programs: 3 graduates over a 5-year period.					
UT Knoxville	14.0301	Biosystems Eng.	Doctoral	1	Retain
Tennessee State	14.0901	Comp/Info Systems	Doctoral	0	Retain
UT Chattanooga	14.2701	Computational Engineering	Doctoral	1	Retain
UT Knoxville	38.0101	Philosophy	Doctoral	1	Retain
UT Knoxville	51.0204	Speech/Hearing Science	Doctoral	1	Terminate
UT Knoxville	52.1301	Management Science	Doctoral	2	Retain

Appendix C
Program Productivity Report: Low Producing Programs

At the community colleges, 29 programs were identified as low-producing based on the report of graduates from 2007-08 through 2009-10.

Institution	CIP	Academic Program	3 Yr. Average	Response
Benchmark for Associate Programs: 10 graduates over a 3-year period.				
Walters	01.0603	Production Horticulture	9	Retain
Dyersburg	11.0401	Computer Information Technology	5	Retain
Chattanooga	13.0101	Teaching	6	Retain
Cleveland	13.0101	Teaching	0	Retain
Dyersburg	13.0101	Teaching	5	Retain
Jackson	13.0101	Teaching	9	Retain
Nashville	13.0101	Teaching	6	Retain
Northeast	13.0101	Teaching	7	Retain
Southwest	13.0101	Teaching	1	Retain
Volunteer	13.0101	Teaching	2	Retain
Walters	13.0101	Teaching	3	Retain
Nashville	15.0000	Arch, Civil & Con Engineering Tech	8	Retain
Chattanooga	15.0612	Industrial Maintenance	3	Terminate
Roane	19.0706	Early Childhood	4	Retain
Walters	19.0706	Early Childhood	4	Retain
Chattanooga	21.0101	Applied Technology	9	Retain
Pellissippi	21.0101	General Technology	6	Retain
Volunteer	21.0101	General Technology	0	Retain
Southwest	26.1201	Biotechnology	3	Retain
Dyersburg	43.0107	Corrections	5	Retain
Northeast	43.0107	Public Safety	2	Retain
Nashville	44.0201	Social Services	5	Terminate
Cleveland	44.9999	Public and Government Service	6	Retain
Southwest	47.0101	Electronics Technology	5	Retain
Nashville	47.0604	Automotive Tech	4	Retain
Volunteer	51.1004	Medical Lab Tech	7	Retain
Volunteer	51.1803	Ophthalmic Tech	8	Retain
Roane	51.2202	Environmental Health Tech	4	Retain
Southwest	51.3104	Dietetic Technology	9	Retain