TENNESSEE HIGHER EDUCATION COMMISSION

REGULAR CALENDAR ITEM: IX.

MEETING DATE: July 28, 2022

SUBJECT: New Academic Programs: Post-Approval Monitoring Report

ITEM TYPE: Informational

ACTION RECOMMENDATION: N/A

BACKGROUND

Post-approval monitoring (PAM) is an annual review of all recently approved academic programs that is stipulated in academic polices A1.0 – New Academic Programs: Approval Process and A1.6 – Expedited Academic Programs: Approval Process. The annual review evaluates fidelity of academic program implementation and monitors progress towards meeting the implementation goals articulated in the program proposal during the approval process.

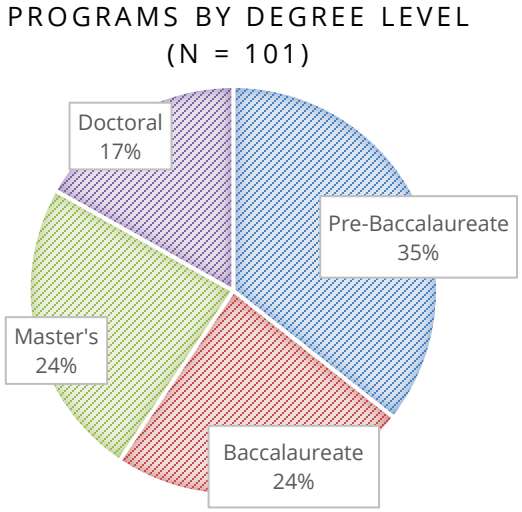
Post-approval monitoring continues for three years after approval for associate degrees and certificate programs; five years for bachelor's and master's degrees; and seven years for doctoral programs. The post-approval monitoring process can be extended when additional time is needed for approved programs to demonstrate success in meeting program benchmarks. After a program has completed post-approval monitoring, it is evaluated via Quality Assurance Funding (QAF).

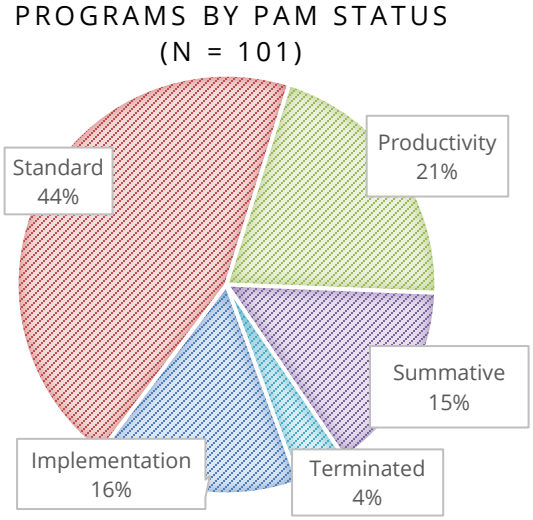
Programs being monitored report their performance in one of four ways:

- Implementation Report: Programs report progress towards pre-enrollment planning goals when there is a delay between program approval and scheduled implementation.
- Standard Report: Programs that make satisfactory progress towards meeting the enrollment and graduation projections established in the approval process provide information about program enrollment, graduation, costs, and revenues.
- Summative Report: After the conclusion of the post-approval monitoring cycle, programs complete a summative report that includes final enrollment and graduation numbers and highlights key aspects of the program's success.
- Productivity Report: Programs that do not consistently meet the enrollment and graduation benchmarks established in the approval process may be required to continue in the PAM cycle for additional monitoring. Productivity reports provide three additional years of enrollment, graduation, and financial projections. Additionally, programs provide an annual productivity plan describing their efforts to improve the program.

POST-APPROVAL MONITORING: 2021-22

The 2021-22 post-approval monitoring cycle included 101 academic programs, distributed as follows:





The following chart plots the monitored programs both by degree level and PAM status.

	Pre-Baccalaureate	Bachelor	Master	Doctoral	Total
Implementation	3	4	5	4	16
Standard	6	13	15	11	45
Summative	6	5	2	2	15
Terminated	2	1	1	0	4
Productivity	19	1	1	0	21
Total	**36**	**24**	**24**	**17**	**101**

Of the fifteen programs that have reached the prescribed monitoring time period based on their degree level, five will exit PAM and continue annual monitoring via Quality Assurance Funding. The remaining ten programs will be placed in productivity monitoring for an additional three years, requiring them to provide a productivity plan describing efforts to improve key aspects of the program.

The 2021-22 post-approval monitoring report follows, including detailed information about monitored programs categorized by post-approval monitoring status, degree level, and institution. The report will also be posted on the THEC website.

Tennessee Higher Education Commission

Post-Approval Monitoring Report

July 2022

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Overview of Post-Approval Monitoring

The Tennessee Higher Education Commission (THEC) is charged with the continuous monitoring of academic programs offered at Tennessee's public postsecondary institutions. To this end, both the *New Academic Programs: Approval Process A1.0 Policy* and the *Expedited Academic Programs: Approval Process A 1.6 Policy* require that all approved academic programs be monitored annually to ensure fidelity of academic program implementation and to monitor progress towards meeting the implementation goals articulated in the program proposal.

The annual review of newly approved academic programs is conducted through a process of post-approval monitoring (PAM), which begins immediately after a new program has been approved. Post-approval monitoring continues for three years for associate degrees and certificate programs; five years for bachelor's and master's degrees; and seven years for doctoral programs. The post-approval monitoring process is extended when additional time is needed for approved programs to demonstrate success in meeting program benchmarks. After a program has completed post-approval monitoring, it will be evaluated via Quality Assurance Funding (QAF).

Programs in post-approval monitoring report their performance annually in one of four reports:

- *Implementation*: Required for programs that are still in the pre-enrollment planning stages. Implementation reports offer a general overview of the progress made towards program implementation.
- *Standard*: Programs that make satisfactory progress towards meeting the enrollment and graduation projections established in the new academic program proposal or expedited new academic program proposal process will be required to submit a standard report consisting of updated data about program enrollment, graduation, costs, and revenues.
- *Summative*: After the conclusion of the post-approval monitoring cycle, programs complete a summative report which highlights the components and characteristics of programs that are successfully implemented.
- *Productivity*: Programs which do not consistently meet the enrollment and graduation benchmarks established in the approval process may be required to continue in the PAM cycle for additional productivity monitoring. Productivity reports must provide an additional three years of enrollment, graduation, and financial projections Additionally, programs are required to provide an annual productivity plan describing efforts to improve key aspects of the program.

Throughout the post-approval monitoring cycle. programs are evaluated by their fidelity to the enrollment, graduation, and financial projections they identified in the process of proposing the program. Two primary evaluative measures are used. First, attaining at least 80 percent of institutionally articulated enrollment and graduation projections. Second, programs must meet minimum productivity standards that require pre-baccalaureate and baccalaureate programs to graduate at least ten students a year, master's degree programs to graduate at least five students a year, and doctoral programs to graduate at least three graduates a year.

Program progress reports are collected annually, and assembled into the following post-approval monitoring report, which is posted on the THEC website and presented at the summer meeting of the Tennessee Higher Education Commission. The report is presented in two sections.

1. Degree Level Overview: A summary of the status of each program is organized by degree level and by the program's place in the post-approval monitoring process.
2. Institutional Reports: Provides a more detailed picture of each program in the post-approval monitoring process and organized by each institution.

Tennessee Higher Education Commission
2021-22 Post-Approval Monitoring
Degree Level Report

Programs in Post-Approval Monitoring

The 101 academic programs eligible for post-approval monitoring in the 2021-22 cycle are distributed across various phases of the monitoring process. Table 1 shows the number of programs at each degree level with each reporting requirement.

Table 1: Programs in Post-Approval Monitoring by PAM Status

	Pre-Baccalaureate	Bachelor	Master	Doctoral	Total
Implementation	3	4	5	4	16
Standard	6	13	15	11	45
Summative	6	5	2	2	15
Terminated	2	1	1	0	4
Productivity	19	1	1	0	21
Total	**36**	**24**	**24**	**17**	**101**

Twenty programs are new to post-approval monitoring in this cycle, including 3 pre-baccalaureate programs, 6 baccalaureate programs, 7 master's programs, 4 are doctoral programs. These programs are listed in Table 2, along with their approval date and status in post-approval monitoring.

Table 2: New programs in PAM

	Institution	Program	Degree	Approval	PAM Status
1.	Austin Peay	National Security Studies	BS	Jan 2022	Implementation
2.	East Tennessee	Digital Media	MFA	May 2021	Standard
3.	East Tennessee	Orthotics and Prosthetics	MS	May 2021	Implementation
4.	East Tennessee	Occupational Therapy	OTD	May 2021	Implementation
5.	Middle Tennessee	Data Science	MS	Jan 2022	Implementation
6.	Northeast	Unmanned Aircraft Systems	Certificate	Dec 2021	Implementation
7.	Northeast	Electromechanical Technology	Certificate	Dec 2021	Standard
8.	Southwest	Aviation Operations Technology	AAS	Dec 2021	Implementation
9.	Tennessee State	Data Science	MS	Nov 2021	Implementation
10.	Tennessee State	Agricultural Sciences	PhD	Jan 2022	Implementation
11.	UT Chattanooga	Applied Leadership	BS	July 2021	Standard
12.	UT Knoxville	Geographic Information Science and Technology	BS	May 2021	Standard

	Institution	Program	Degree	Approval	PAM Status
13.	UT Martin	Veterinary Science and Technology	BS	July 2021	Standard
14.	UT Martin	Cybersecurity	BS	July 2021	Implementation
15.	UT Martin	Sport Coaching and Performance	MS	Nov 2021	Standard
16.	UT Martin	Criminal Justice	MS	July 2021	Standard
17.	Univ of Memphis	American Sign Language and Deaf Studies	BS	July 2021	Implementation
18.	Univ of Memphis	Nonprofit Management	MS	May 2021	Standard
19.	Univ of Memphis	Applied Physiology and Neuromechanics	PhD	July 2021	Implementation
20.	Univ of Memphis	Physical Therapy	DPT	July 2021	Implementation

The following sections provide more detailed description of the programs at four stages in the post-approval monitoring process: implementation, productivity, exiting post-approval monitoring, and programs terminated by their institutions while they were in post-approval monitoring.

Implementation

Approved academic programs are monitored on pre-enrollment planning efforts by providing an implementation report noting the progress towards benchmarks established in their program proposal documentation. Sixteen programs provided an implementation report for the 2021-22 PAM cycle. Table 3 provides an overview of the progress that the programs are making towards implementation.

Table 3: Programs in Implementation Reporting

	Institution	Program	Degree	Intended Implementation	Status
1.	Austin Peay	National Security Studies	BS	Fall 2022	On track
2.	Austin Peay	Speech-Language Pathology	MSLP	Fall 2021	Delayed to fall 2022
3.	Columbia	Civil and Construction Engineering Technology	AAS	Fall 2020	Delayed to fall 2022
4.	East Tennessee	Occupational Therapy	OTD	Fall 2022	On track
5.	East Tennessee	Orthotics and Prosthetics	MS	Fall 2022	Delayed to fall 2023
6.	Middle Tennessee	Art Therapy	MS	Fall 2021	Delayed to fall 2024
7.	Middle Tennessee	Data Science	MS	Fall 2022	On track
8.	Northeast	Unmanned Aircraft Systems	Certificate	Spring 2021	Delayed to fall 2022
9.	Southwest	Aviation Operations Technology	AAS	Fall 2022	On track
10.	Tennessee State	Data Science	MS	Fall 2022	On track
11.	Tennessee State	Agricultural Sciences	PhD	Fall 2022	On track
12.	Univ of Memphis	American Sign Language and Deaf Studies	BS	Fall 2022	On track
13.	Univ of Memphis	Applied Physiology and Neuromechanics	PhD	Fall 2022	On track
14.	Univ of Memphis	Physical therapy	DPT	Fall 2023	Delayed to spring 2026
15.	UT Knoxville	Education	BS	Fall 2021	Delayed to fall 2022
16.	UT Martin	Cybersecurity	BS	Fall 2022	On track

Ten of the programs in this list are on track to launch their program in the timeline they proposed. The other six have reported delayed implementation. Hinderances to implementation timelines can be caused by difficulty filling necessary positions, unexpected procedural delays, or delays in securing programmatic accreditation or necessary program certification.

Productivity

Programs which do not consistently meet the enrollment and graduation benchmarks that they established during the initial approval process. Twenty-one programs are currently in productivity or extended productivity monitoring. Productivity monitoring refers to a three-year cycle of extended monitoring in which programs develop a productivity plan aimed to allow them to meet enrollment, graduation, and financial projections. Extended productivity monitoring adds an additional three-year cycle of monitoring for programs that continue to struggle to meet their benchmarks after the first productivity cycle. Table 4 provides an overview of the programs currently in productivity monitoring.

Table 4: Programs in Productivity Monitoring

	Institution	Program	Degree	Year Implemented	Status	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1.	Chattanooga	Paramedic	AAS	2016	Extended Productivity	No	No
2.	Chattanooga	Nuclear Medicine Technology	AAS	2017	Extended Productivity	Yes	No
3.	Cleveland	Fine Arts	AFA	2013	Extended Productivity	No	No
4.	Cleveland	Medical Informatics	AAS	2014	Extended Productivity	No	No
5.	Cleveland	Paramedic	AAS	2015	Extended Productivity	Yes	No
6.	Cleveland	Law Enforcement	AAS	2017	Productivity	No	No
7.	Columbia	Anesthesia Technology	AAS	2017	Productivity	No	No
8.	Dyersburg	Health Sciences	AAS	2017	Extended Productivity	No	No
9.	Jackson	Respiratory Care	AAS	2018	Productivity	No	Yes
10.	Motlow	Paramedic	AAS	2014	Extended Productivity	No	Yes
11.	Motlow	Medical Laboratory Technology	AAS	2017	Productivity	Yes	No
12.	Motlow	Fine Arts	AFA	2017	Productivity	No	No
13.	Nashville	Fine Arts	AFA	2012	Extended Productivity	Yes	No
14.	Nashville	Hospitality Management	AAS	2017	Productivity	Yes	Yes
15.	Nashville	Retail Management	Certificate	2017	Productivity	No	No
16.	Roane	Financial Services	AAS	2014	Extended Productivity	No	No
17.	Roane	Medical Informatics	AAS	2015	Extended Productivity	No	No

	Institution	Program	Degree	Year Implemented	Status	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
18.	Southwest	Allied Health Science	AAS	2015	Extended Productivity	Yes	No
19.	TTU & ETSU Joint	Engineering	BS	2016	Productivity	Yes	No
20.	Tennessee Tech	Professional Science Master's	Master	2013	Extended Productivity	No	No
21.	Volunteer	Professional Music	AAS	2018	Productivity	No	No

Table 5 lists the ten programs that will enter productivity monitoring in the 2022-23 PAM cycle. These programs have not been able to consistently meet their enrollment, graduation, or financial projections or have not grown to the point that they meet THEC minimum productivity standards.

Table 5: Programs Entering Productivity Monitoring Next Cycle

	Institution	Program	Degree	Year Implemented	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1.	Austin Peay	Engineering Physics	BS	2017	No	Yes
2.	Columbia	Fire Science	AAS	2019	No	No
3.	Middle Tennessee	Africana Studies	BA/BS	2017	No	No
4.	Middle Tennessee	Fermentation Science	BS	2017	No	No
5.	Middle Tennessee	Religious Studies	BA/BS	2017	No	Yes
6.	Middle Tennessee	Dance	BS	2017	No	No
7.	Pellissippi	Water Quality Technology	AAS	2019	No	No
8.	Southwest	Funeral Services Education	AAS	2019	Yes	No
9.	Southwest	Fine Arts	AFA	2019	No	No
10.	UT Knoxville	Entomology, Plant Pathology, and Nematology	PhD	2015	Yes	No

Summative

When programs complete their scheduled post-approval monitoring cycle – three years for associate degrees and certificate programs; five years for bachelor's and master's degrees; and seven years for doctoral programs – they submit a summative report highlighting the components and characteristics of programs that are successfully implemented.

The five programs outlined in Table 6 have completed the post-approval monitoring cycle; have made satisfactory progress towards meeting their enrollment, graduation, and financial projections; and will be exiting the post-approval monitoring after this cycle. Annual monitoring of these programs will continue via Quality Assurance Funding.

Table 6: Programs Exiting PAM

	Institution	Program	Degree	Year Implemented
1.	East Tennessee	Global Sport Leadership	EdD	2015
2.	UT Knoxville	Supply Chain Management	MS	2017
3.	UT Martin	Strategic Communication	MASC	2017
4.	Roane	Chemical Engineering Technology	AAS	2019
5.	Volunteer	Nursing	AAS	2019

Terminated Programs

Four programs in the post-approval monitoring cycle were terminated by their institutions and are listed in Table 7.

Table 7: Terminated Programs

	Institution	Program	Degree
1.	Jackson	Fire Science	AAS
2.	Middle Tennessee	Art Therapy	BS
3.	UT Knoxville	United States Business Law	MS
4.	Volunteer	Medical Assisting	AAS

Institutions elect to terminate programs for a variety of reasons, ultimately institutions determine that a significant change to the structure or context for the program renders the degree program non-viable. MTSU terminated its Art Therapy, BS after a recommendation from the programmatic accreditor against this type of program. UT Knoxville terminated the US Business Law, MS after changes to the bar exam, rendering graduates of the program ineligible to take the bar. The Associate of Applied Science programs are each in industries that require a specific certification, but not an associate degree for employment, which significantly reduces student demand for the associate degree.

Programs by Degree Level

In 2021-22, a total of 101 programs were eligible for post-approval monitoring. Thirty-six percent of monitored programs are at the Tennessee Board of Regents (TBR) community colleges, 20 percent are housed at University of Tennessee (UT) system institutions, and the remaining 44 percent of programs are delivered at Locally Governed Institutions (LGI). Thirty-six percent of the programs being monitored are pre-baccalaureate programs, 24 percent are baccalaureate programs, 23 percent are master's programs, and 17 percent are doctoral programs. Table 8 displays a breakdown of these programs by system and degree level.

Table 8: Programs in Post-Approval Monitoring by Degree Level

	Pre-Baccalaureate	Bachelor	Master	Doctoral	Total
LGI	-	15	16	14	45
UT System	-	9	8	3	20
TBR Community Colleges	36	-	-	-	36
Total	**36**	**24**	**24**	**17**	**101**

Pre-Baccalaureate Programs

Thirty-six pre-baccalaureate programs were eligible for post-approval monitoring in 2021-22. These 36 programs are made up of five certificates of 24 credits or more, three Associate of Fine Arts (AFA) programs, and 28 Associate of Applied Science (AAS) programs. Pre-baccalaureate programs are monitored for an initial three years after program approval and can be extended into productivity monitoring if not meeting program benchmarks. Table 9 provides an overview of the pre-baccalaureate programs currently in post-approval monitoring.

Table 9: Pre-baccalaureate programs

Institution	Program	Degree	Year in PAM	PAM Status	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
Chattanooga	Paramedic	AAS	6	Productivity	No	No
Chattanooga	Nuclear Medicine Technology	AAS	5	Productivity	Yes	No
Cleveland	Fine Arts	AFA	9	Productivity	No	No
Cleveland	Medical Informatics	AAS	8	Productivity	No	No
Cleveland	Paramedic	AAS	7	Productivity	Yes	No
Cleveland	Law Enforcement	AAS	5	Productivity	No	No
Columbia	Anesthesia Technology	AAS	5	Productivity	Yes	No
Columbia	Fire Science	AAS	3	Summative	No	No
Columbia	Civil and Construction Engineering Technology	AAS	--	Implementation	--	--
Dyersburg	Health Sciences	AAS	5	Productivity	Yes	No
Jackson	Fire Science	AAS	4	Terminated		
Jackson	Respiratory Care	AAS	4	Productivity	No	Yes
Motlow	Paramedic	AAS	8	Productivity	No	Yes

Institution	Program	Degree	Year in PAM	PAM Status	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
Motlow	Medical Laboratory Technology	AAS	5	Productivity	Yes	No
Motlow	Fine Arts	AFA	5	Productivity	No	No
Motlow	Entrepreneurship	AAS	2	Standard	No	No
Nashville	Fine Arts	AFA	10	Productivity	Yes	No
Nashville	Hospitality Management	AAS	5	Productivity	Yes	Yes
Nashville	Retail Management	Certificate	5	Productivity	No	No
Nashville	Paralegal Studies	Certificate	2	Standard	No	Yes
Northeast	Unmanned Aircraft Systems	Certificate	--	Implementation	--	--
Northeast	Electromechanical Technology	Certificate	1	Standard	No	Yes
Pellissippi	Water Quality Technology	AAS	3	Summative	No	No
Pellissippi	Architectural Design Technology	AAS	2	Standard	Yes	No
Roane	Financial Services	AAS	8	Productivity	No	No
Roane	Medical Informatics	AAS	7	Productivity	No	No
Roane	Chemical Engineering Technology	AAS	3	Summative	Yes	Yes
Roane	Medical Laboratory Technology	AAS	1	Standard	No	--
Southwest	Allied Health Science	AAS	7	Productivity	Yes	No
Southwest	Funeral Services Education	AAS	3	Summative	Yes	No
Southwest	Fine Arts	AFA	3	Summative	No	No
Southwest	Aviation Operations Technology	AAS	--	Implementation	--	--
Volunteer	Professional Music	AAS	4	Productivity	No	No
Volunteer	Nursing	AAS	3	Summative	Yes	No
Volunteer	Medical Assisting	AAS	--	Terminated	--	--
Walters	Paralegal Studies	Certificate	2	Standard	Yes	Yes

-- Not applicable.

Three programs are in the implementation stage, ten are eligible for standard reporting, and 19 are in productivity monitoring. Two programs will exit post-approval monitoring – Volunteer State's Nursing, AAS and Roane State's Chemical Engineering Technology, AAS. Two programs were terminated – Fire Science at Jackson State and Medical Assisting at Volunteer State. Thirty-eight percent of the pre-baccalaureate programs met the enrollment benchmarks they established and just over 19 percent met their graduation benchmarks.

Baccalaureate Programs

Twenty-four baccalaureate programs are being monitored in post-approval monitoring in the 2021-22 cycle as illustrated in Table 10. Fifteen of the programs are at locally governed institutions and an additional nine are at UT System institutions. One of the programs is a joint engineering program offered collaboratively by Tennessee Technological University and East Tennessee State University.

Table 10: Baccalaureate programs

Institution	Program	Degree	Year in PAM	PAM Status	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
Austin Peay	Engineering Physics	BS	5	Summative	No	Yes
Austin Peay	Aviation Science	BS	4	Standard	Yes	No
Austin Peay	National Security Studies	BS	--	Implementation	--	--
TTU & ETSU	Engineering	BS	6	Productivity	Yes	No
East Tennessee	Rehabilitative Health Sciences	BS	4	Standard	Yes	Yes
Middle Tennessee	Africana Studies	BA/BS	5	Summative	No	No
Middle Tennessee	Fermentation Science	BS	5	Summative	No	No
Middle Tennessee	Religious Studies	BA/BS	5	Summative	No	Yes
Middle Tennessee	Dance	BS	5	Summative	No	No
Middle Tennessee	Tourism and Hospitality Management	BS	3	Standard	Yes	Yes
Middle Tennessee	Data Science	BS	2	Standard	Yes	Yes
Middle Tennessee	Art Therapy	BA	--	Terminated	--	--
Univ of Memphis	Commercial Aviation	BS	4	Standard	No	Yes
Univ of Memphis	Public Health	BS	1	Standard	Yes	--
Univ of Memphis	American Sign Language and Deaf Studies	BS	--	Implementation	--	--
UT Chattanooga	Mechatronics Engineering	BAS	4	Standard	Yes	No
UT Chattanooga	Applied Leadership	BAS	1	Standard	Yes	--
UT Health Science Center	Pharmaceutical Sciences	BS	2	Standard	No	Yes
UT Knoxville	Information Sciences	BS	3	Standard	Yes	Yes
UT Knoxville	Deaf Studies	BS	2	Standard	No	No
UT Knoxville	Education	BS	--	Implementation	--	--
UT Knoxville	Geographic Information Science and Technology	BS	1	Standard	No	--
UT Martin	Veterinary Science and Technology	BS	1	Standard	Yes	No
UT Martin	Cybersecurity	BS	--	Implementation	--	--

-- Not applicable.

Four of the programs are in the implementation phase, 18 are in standard reporting, one program is in productivity monitoring, and one was terminated. Forty-seven percent of the baccalaureate programs being monitored met their enrollment benchmarks, and 40 percent met their graduation benchmarks.

Master's Programs

Twenty-four master's programs are being monitored in the 2021-22 post-approval monitoring cycle as illustrated in Table 11.

Table 11: Master's Programs

Institution	Program	Degree	Year in PAM	PAM Status	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
Austin Peay	Speech-Language Pathology	MSLP	--	Implementation	--	--
Austin Peay	Criminal Justice	MS	1	Standard	Yes	No
East Tennessee	Digital Media	MFA	1	Standard	Yes	--
East Tennessee	Orthotics and Prosthetics	MS	--	Implementation	--	--
Middle Tennessee	Art Therapy	MA	--	Implementation	--	--
Middle Tennessee	Physician Assistant Studies	MS	1	Standard	Yes	--
Middle Tennessee	Data Science	MS	--	Implementation	--	--
Tennessee State	Environmental Science	MS	2	Standard	Yes	No
Tennessee State	Data Science	MS	--	Implementation	--	--
Tennessee Tech	Professional Science Master's	PSM	9	Productivity	Yes	No
Tennessee Tech	Engineering Management	MS	2	Standard	No	--
Tennessee Tech	Community Health and Nutrition	MS	1	Standard	Yes	--
Univ of Memphis	Engineering Management	MS	2	Standard	No	--
Univ of Memphis	Biostatistics	MS	3	Standard	No	No
Univ of Memphis	Data Science	MS	2	Standard	Yes	--
Univ of Memphis	Nonprofit Management	MS	1	Standard	Yes	Yes
UT Chattanooga	Data Analytics	MS	3	Standard	Yes	No
UT Chattanooga	Chronic Disease and Prevention	MPH	4	Standard	No	Yes
UT Knoxville	United States Business Law	MS	--	Terminated	--	--
UT Knoxville	Supply Chain Management	MS	5	Summative	Yes	Yes
UT Knoxville	Legal Studies	MLS	1	Standard	Yes	--
UT Martin	Strategic Communication	MASC	5	Summative	Yes	Yes
UT Martin	Sport Coaching and Performance	MSCP	1	Standard	Yes	Yes
UT Martin	Criminal Justice	MS	1	Standard	Yes	--

-- Not applicable.

Eight of the master's programs being monitored are at University of Tennessee System campuses, and the remaining 16 are at Locally Governed Institutions. Five of the monitored programs are in the implementation phase, 17 are in standard monitoring, one program is in productivity monitoring, and one has been terminated. Two of the master's programs monitored in the 2021-22 post-approval monitoring cycle have made satisfactory progress towards meeting their enrollment, graduation, and financial projections, and will be exiting the post-approval monitoring after this monitoring cycle. Nearly 78 percent of the monitored master's programs met their enrollment benchmarks, and 38 percent met graduation benchmarks.

Doctoral Programs

Seventeen doctoral programs were monitored in the 2021-22 cycle as illustrated in Table 12.

Table 12: Doctoral Programs

Institution	Program	Degree	Year in PAM	PAM Status	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
Austin Peay	Education Leadership	EdD	4	Standard	Yes	No
Austin Peay	Counseling Psychology	PsyD	2	Standard	Yes	--
East Tennessee	Global Sport Leadership	EdD	7	Summative	Yes	Yes
East Tennessee	Occupational Therapy	OTD	--	Implementation	--	--
ETSU & TTU Joint	Nursing Practice	DNP	5	Standard	Yes	No
Tennessee State	Agricultural Sciences	PhD	--	Implementation	--	--
Tennessee Tech	Counseling and Supervision	PhD	2	Standard	Yes	--
Univ of Memphis	Liberal Studies	DLS	4	Standard	Yes	No
Univ of Memphis	Social Work	DSW	2	Standard	No	--
Univ of Memphis	Nursing	PhD	4	Standard	Yes	--
Univ of Memphis	Applied Physics	PhD	2	Standard	Yes	Yes
Univ of Memphis	Urban Affairs	PhD	1	Standard	Yes	--
Univ of Memphis	Applied Physiology and Neuromechanics	PhD	--	Implementation	--	--
Univ of Memphis	Physical Therapy	DPT	--	Implementation	--	--
UT Knoxville	Entomology, Plant Pathology, and Nematology	PhD	7	Summative	Yes	No
UT Knoxville	Data Science Engineering	PhD	5	Standard	No	No
UT Knoxville	Public Health Sciences	PhD	2	Standard	Yes	No

-- Not applicable.

Three of the monitored programs are at University of Tennessee System schools, 14 are housed at Locally Governed Institutions. Four of the programs are currently in implementation and 13 are in

standard reporting. Two programs reached the conclusion of their standard reporting period. The Global Sport Leadership, EdD at ETSU has consistently met its enrollment, graduation, and financial projections, and will exit post-approval monitoring. The Entomology, Plant Pathology, and Nematology, PhD at UT Knoxville will enter productivity monitoring in the 2022-23 post-approval monitoring cycle. Eighty-five percent of the doctoral programs being monitored met their enrollment benchmarks whereas 14 percent met their graduation projections.

Tennessee Higher Education Commission
2021-22 Post-Approval Monitoring
Institutional Report

Institutional reports provide specific information about each academic program in post-approval monitoring, organized by the institution housing the program.

Each institutional report begins with a summary table that provides an overview of all the programs at a given institution being monitored through the post-approval monitoring process. These tables include basic information about each program, including its name and the degree, year implemented, year in PAM, and an overview of program progress towards meeting enrollment and graduation benchmarks. A "yes" indicates that the program met or exceeded its benchmarks, and a "no" indicates that it did not meet its benchmarks.

Academic program summaries follow and provide more complete information about the program. This information includes enrollment and graduation data for the life of the program, as well as projections for the remaining time the program is in PAM. An attainment percentage was not calculated when programs did not project enrollment or graduation, even if the program produced graduates when none were projected. This data is accompanied by additional information about each program, including

- a description of various factors that influence program progress;
- identification of plans for continued program improvement;
- notable accomplishments of program participants;
- summary cost and revenue data, where notable; and
- information about the program's place in the post-approval monitoring cycle.

Programs are organized by system. Locally governed institutions appear first, followed by the University of Tennessee System institutions, and then the Tennessee Board of Regents institutions.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Engineering Physics	BS	2017	5	No	Yes
2. Education Leadership	EdD	2018	4	Yes	No
3. Aviation Science	BS	2019	4	Yes	No
4. Counseling Psychology	PsyD	2020	2	Yes	--
5. Speech-Language Pathology	MSLP	2021 (delayed to 2022)	Implementation	--	--
6. Criminal Justice	MS	2021	1	Yes	No
7. National Security Studies	BS	2022	Implementation	--	--

-- Not applicable.

Academic Program Summaries

1. Engineering Physics, BS – Summative Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2017	15	3	20%	2017-18	0	0	--
Fall 2018	29	20	69%	2018-19	0	0	--
Fall 2019	46	39	85%	2019-20	0	0	--
Fall 2020	58	34	59%	2020-21	8	4	50%
Fall 2021	63	35	56%	2021-22	10	8	80%

APSU's Engineering Physics, BS did not meet their enrollment projections but did attain graduation benchmarks in their fifth year of post-approval monitoring. Though program enrollment lags projections, the enrollment decreased at a slower rate during COVID (2019-2021) than other undergraduate programs in the College of Science, Technology, Engineering, and Mathematics at APSU. After being delayed due to the pandemic, the process of programmatic accreditation with the Accreditation Board for Engineering and Technology (ABET) is nearly completed. The program had a virtual site visit in September 2021; provided a due process response in November 2021; and submitted a follow-up report in May 2022. ABET will vote on accreditation in July 2022. Due to lower than projected enrollment and graduation, the Engineering Physics, BS program will be monitored for an additional three years via productivity monitoring.

2. Educational Leadership, EdD – Standard Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2018	20	20	100%	2018-19	0	0	--
Fall 2019	33	43	130%	2019-20	0	0	--
Fall 2020	44	44	100%	2020-21	16	1	6%
Fall 2021	39	40	110%	2021-22	11	8	73%
Fall 2022	39			2022-23	11		
Fall 2023	39			2023-24	11		
Fall 2024	39			2024-25	11		

The Educational Leadership, EdD continues a four-year history of exceeding its enrollment projections. Changes to program faculty have created delays in program completion. Eight students admitted in 2018 were reassigned to new faculty after their dissertation chairs left the university causing some delay to their progress. The Educational Leadership, EdD program anticipates that five students will complete the program in Summer 2022.

3. Aviation Science, BS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2018	25	3	12%	2018-19	0	0	--
Fall 2019	35	14	40%	2019-20	0	0	--
Fall 2020	45	30	67%	2020-21	17	0	0%
Fall 2021	45	37	82%	2021-22	24	0	0%
Fall 2022	45			2022-23	24		

In their fourth year of post-approval monitoring, the Aviation Science, BS met enrollment benchmarks, but not graduation projections. While enrollment has not met projections for each year in the monitoring cycle, more new students entered the program in 2020-2021 than any other year. Enrollment continues to be hampered by the lack of a marketing plan for the program. Two unforeseen factors have influenced low graduation numbers. The program admitted its first cohort in fall 2019 and has grown rapidly since and now has six helicopters in its fleet. The department expects its first six graduates in December 2022. The program was granted full certification by the Federal Aviation Agency (FAA) in July 2021 as a Pilot School (Part 141) and will begin formal accreditation review after the first students have graduated in early 2023.

4. Counseling Psychology, PsyD – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2020	6	5	83%	2020-21	0	0	--
Fall 2021	6	9	150%	2021-22	0	0	--
Fall 2022	9			2022-23	0		
Fall 2023	10			2023-24	0		
Fall 2024	10			2024-25	6		
Fall 2025	12			2025-26	6		
Fall 2026	12			2026-27	8		

Enrollment in the Counseling Psychology, PsyD exceeded departmental enrollment projections in the second year of post-approval monitoring. The program has not projected graduates until their fifth year of monitoring. The program successfully hired one full-time tenure track assistant professor to begin in August 2022. A search for a second position was not completed, the position will be advertised again in August 2022. A part-time administrative assistant was hired in January 2022.

5. Speech-Language Pathology, MSLP – Implementation Report

The Speech-Language Pathology, MSLP was approved in May 2020, but implementation was delayed until fall 2022 due to the impact of COVID-19 on the programmatic accreditation process required by the Council on Academic Accreditation in Audiology and Speech-Language Pathology. Sixteen students have already been admitted and will start the program in fall 2022. The three faculty positions proposed have been hired and these faculty will meet the program's classroom and clinical

needs. The program continues to progress towards achieving programmatic accreditation, most recently being awarded a five-year candidacy beginning February 1, 2022.

6. Criminal Justice, MS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2021	20	19	95%	2021-22	8	0	0%
Fall 2022	28			2022-23	11		
Fall 2023	41			2023-24	17		
Fall 2024	46			2024-25	18		
Fall 2025	50			2025-26	20		

In the first year of post-approval monitoring, the Criminal Justice, MS reached 95 percent of its projected enrollment and is on track to exceed projections in the second year. No students graduated in the first year because the program was designed with a one- and two-year completion schedule and the majority of students selected the two-year completion schedule. Three students are expected to graduate in August 2022, and the other students in the first cohort will graduate over the 2022-23 academic year. An assistant professor was hired to begin in fall 2022, the second of three projected faculty hires required to support this program. A search for the third faculty position will begin in August 2022 along with a search for a replacement instructor after a faculty retirement.

7. National Security Studies, BS – Implementation Report

The National Security Studies, BS was approved in January 2022 for implementation in August 2022. A program director has been hired, and searches for three tenure track faculty are ongoing.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Global Sport Leadership	EdD	2015	7	Yes	Yes
2. Rehabilitative Health Sciences	BS	2018	4	Yes	Yes
3. Digital Media	MFA	2021	1	Yes	--
4. Orthotics and Prosthetics	MS	2022	Implementation	--	--
5. Occupational Therapy	OTD	2022	Implementation	--	--

-- Not applicable.

Academic Program Summaries

1. Global Sport Leadership, EdD – Summative Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2015	11	12	109%	2015-16	0	0	--
Fall 2016	27	25	93%	2016-17	0	0	--
Fall 2017	42	40	95%	2017-18	10	12	120%
Fall 2018	45	43	96%	2018-19	15	10	67%
Fall 2019	45	50	111%	2019-20	15	15	100%
Fall 2020	45	48	107%	2020-21	15	16	107%
Fall 2021	45	50	111%	2021-22	15	16	107%

The Global Sport Leadership, EdD exceeded its enrollment and graduation projections in the seventh year of post-approval monitoring. Demand for the program continues to rise, and applications exceed program capacity. The Global Sport Leadership, EdD program has successfully completed post-approval monitoring and will be monitored via Quality Assurance Funding moving forward.

2. Rehabilitative Health Sciences, BS – Standard Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2018	26	9	35%	2018-19	0	0	--
Fall 2019	50	110	220%	2019-20	0	0	--
Fall 2020	70	154	220%	2020-21	20	18	90%
Fall 2021	72	170	236%	2021-22	21	36	171%
Fall 2022	73			2022-23	23		

The Rehabilitative Health Sciences, BS substantially exceeded both enrollment and graduation projections in the fourth year of post-approval monitoring, continuing a three-year trend of surpassing enrollment projections. Increased enrollment is partially attributed to the current program marketing plan which focuses on post-graduation opportunities – both graduate school and employment – available to students upon completion of the program.

3. Digital Media, MFA – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2021	7	10	143%	2021-22	0	0	--
Fall 2022	13			2022-23	0		
Fall 2023	17			2023-24	5		
Fall 2024	16			2024-25	5		
Fall 2025	16			2025-26	5		

Enrollment in the Digital Media, MFA exceeded projections in the first year of post-approval monitoring. Graduate assistants from this program have been placed across campus, indicating that the skills these students are learning are in high demand. Students are working remotely with several national game and media studios; have been recognized for outstanding student work at a regional conference; and contribute to the growth and development of the undergraduate digital media program.

4. Orthotics and Prosthetics, MS – Implementation Report

The Orthotics and Prosthetics, MS was approved by the Commission in May 2021 for summer 2022 implementation. In September 2021 the existing program director left ETSU creating a challenge to the successful implementation of the program. Specifically, the pre-accreditation self-study document was not completed, and admissions paused until a program director can be hired. The position remains vacant and a search for a qualified replacement is ongoing. In the meantime, program implementation is being handled within the department. Two full-time faculty positions were proposed but have not yet been filled. Renovations for program instructional areas and lab spaces have been completed. The program is targeting admission of the first cohort in May 2023.

5. Occupational Therapy, OTD – Implementation Report

The Occupational Therapy, OTD is on the way to successful implementation in summer 2022. Nineteen students, approximately 80 percent of the projected first-year cohort, have been admitted to the program. Implementation of this program has progressed smoothly. The program made changes to anatomy instruction, moving from cadaver dissection to digital anatomical modeling. They also will be adjusting application deadlines for the 2022-23 cycle to allow additional time for application review and interviews. These deadlines align with national application deadlines, allowing for sufficient applicants to meet enrollment projections. The program has hired several of the positions they proposed. Both the program director and academic fieldwork coordinator have been hired. Efforts are underway to hire the capstone coordinator to start in July 2022, and a full-time faculty member to start in August 2022. The program will search for two additional full-time faculty positions in the 2022-23 academic year. Finally, the Occupational Therapy, OTD has been granted candidacy status by the Accreditation Council for Occupational Therapy Education (ACOTE) and they will complete a pre-accreditation self-study in fall 2023.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Joint Engineering	BS	2016	6	Yes	No
2. TN Joint Doctor of Nursing Practice	DNP	2017	5	Yes	No

Academic Program Summaries

1. Engineering, BS – Productivity Report

Enrollment				Graduates			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2016	12	7	58%	2016-17	0	0	--
Fall 2017	18	34	189%	2017-18	0	0	--
Fall 2018	40	9	23%	2018-19	0	0	--
Fall 2019	58	35	60%	2019-20	10	2	20%
Fall 2020	75	45	60%	2020-21	22	6	27%
Fall 2021	40	41	103%	2021-22	4	3	75%
Fall 2022	45			2022-23	10		
Fall 2023	50			2023-24	10		

The TTU/ETSU Joint Engineering, BS met its enrollment projections but fell below its graduation projections in the sixth year of post-approval monitoring. An accreditation site visit was conducted in fall 2021 and the program is expecting to receive the Accreditation Board for Engineering and Technology (ABET) Engineering Commission accreditation prior to fall 2022.

2. Doctor of Nursing Practice, DNP – Standard Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2017	13	10	77%	2017-18	0	0	--
Fall 2018	26	16	62%	2018-19	0	0	--
Fall 2019	39	31	79%	2019-20	15	0	0%
Fall 2020	46	40	87%	2020-21	15	5	33%
Fall 2021	46	47	102%	2021-22	15	11	73%
Fall 2022	46			2022-23	15		
Fall 2023	46			2023-24	15		

The ETSU/TTU Joint Doctor of Nursing Practice (DNP) program met enrollment projections but fell below graduation projections in its fifth year of post-approval monitoring. A primary challenge the program continues to face is that employers who hire nurse practitioners do not specify that the positions must be filled by DNP graduates, leaving a master's degree sufficient educational preparation for most open positions. The program chose to change the name of the Executive Leadership concentration to Nursing and Healthcare Leadership to better relate the scope of the concentration and to appeal to BSN-prepared RNs with master's degrees in areas other than nursing who have healthcare experience.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Africana Studies	BA/BS	2017	5	No	No
2. Fermentation Science	BS	2017	5	No	No
3. Religious Studies	BA/BS	2017	5	No	Yes
4. Dance	BS	2017	5	No	No
5. Tourism & Hospitality Management	BS	2019	3	Yes	Yes
6. Data Science	BS	2020	2	Yes	Yes
7. Art Therapy	BA	2021	Terminated	--	--
8. Art Therapy	MA	2021	Implementation	--	--
9. Physician Assistant Studies	MS	2021 (Delayed to spring 2022)	1	Yes	--
10. Data Science	MS	2022	Implementation	--	--

-- Not applicable.

Academic Program Summaries

1. Africana Studies, BA/BS – Summative Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2017	9	9	100%	2017-18	0	0	--
Fall 2018	17	11	65%	2018-19	0	6	*
Fall 2019	28	8	29%	2019-20	4	3	75%
Fall 2020	38	16	42%	2020-21	7	6	86%
Fall 2021	46	9	20%	2021-22	10	4	40%

* Attainment rate not calculable: Students graduated, though none were projected.

The Africana Studies, BA/BS did not meet enrollment or graduation projections in their fifth year of post-approval monitoring. As of Fall 2021, a new program director was appointed who made several programmatic changes aimed at increasing enrollment. For example, MTSU has included African American History I and II as general education options with the hopes of increasing student exposure to the program. Due to the lower than projected enrollment and graduation, the program will be placed in productivity monitoring for an additional three years.

2. Fermentation Science, BS – Summative Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2017	12	13	108%	2017-18	0	0	--
Fall 2018	24	27	113%	2018-19	0	7	*
Fall 2019	35	25	71%	2019-20	1	1	100%
Fall 2020	49	35	71%	2020-21	7	8	114%
Fall 2021	58	30	52%	2021-22	11	3	27%

* Attainment rate not calculable: Students graduated, though none were projected.

MTSU's Fermentation Science, BS was below enrollment and graduation projections in its fifth year of post-approval monitoring and as a result will enter productivity monitoring for an additional three years. In order to build a pipeline for community college students and increase interest in the program, a course was developed for a USDA grant awarded to the program, but the course has not yet been offered. The grant also included the development of problem-based learning modules focusing on fermentation science scenarios in the areas of introductory biology, chemistry, and mathematics. These modules have been included in courses at Motlow State Community College and Columbia State Community College and have showed enhanced student interest in fermentation science.

3. Religious Studies, BA/BS – Summative Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2017	9	11	122%	2017-18	0	4	*
Fall 2018	17	24	141%	2018-19	0	4	*
Fall 2019	28	32	114%	2019-20	4	7	175%
Fall 2020	38	33	87%	2020-21	7	10	143%
Fall 2021	46	28	61%	2021-22	10	8	80%

* Attainment rate not calculable: Students graduated, though none were projected.

Enrollment in Religious Studies, BA/BS trailed projections in the fifth year of monitoring. The program is planning a full schedule of on- and off-campus recruiting events in the 2022-23 academic year to increase enrollment. The program reached 80 percent of its projected graduates in 2021 and has produced over 150 percent of the graduates they projected to this point in the implementation of program. The Religious Studies, BA/BS will be placed in productivity monitoring for three years to ensure the program meets minimum productivity standards.

4. Dance, BS – Summative Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2017	13	21	162%	2017-18	0	4	*
Fall 2018	27	33	122%	2018-19	0	5	*
Fall 2019	43	40	93%	2019-20	5	10	200%
Fall 2020	52	39	75%	2020-21	9	9	100%
Fall 2021	59	42	71%	2021-22	11	6	55%

* Attainment rate not calculable: Students graduated, though none were projected.

Enrollment in the Dance, BS was below projections for the fifth year of post-approval monitoring. Fifteen incoming majors are expected in fall 2022. The program has produced 136 percent of their projected graduates, though their annual graduation fell below projections in the fifth year of post-approval monitoring. Revenues continue to exceed projections, as they have for each year in the monitoring period. Recurring costs rose past projections for the first time because of the cost of hiring a full-time faculty member. The Dance, BS will be placed in productivity monitoring for three years to ensure the program meets minimum productivity standards.

5. Tourism and Hospitality Management, BS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2019	12	39	325%	2019-20	0	0	--
Fall 2020	24	71	296%	2020-21	0	9	*
Fall 2021	36	58	161%	2021-22	2	15	750%
Fall 2022	48			2022-23	5		
Fall 2023	60			2023-24	10		

* Attainment rate not calculable: Students graduated, though none were projected.

In the third year of post-approval monitoring, the Tourism and Hospitality Management, BS exceeded both enrollment and graduation projections by a wide margin. To solidify the enrollment pipeline, program staff are working with industry partners to address negative perceptions of the tourism and hospitality industry that arose through during the COVID-19 pandemic. As a result of the larger than projected enrollment, the program has tuition revenue that is well above its projections. Program costs are below projections, as they have been every year in the monitoring cycle.

6. Data Science, BS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2020	29	26	83%	2020-21	0	0	--
Fall 2021	47	51	109%	2021-22	0	2	*
Fall 2022	56			2022-23	4		
Fall 2023	64			2023-24	9		
Fall 2024	73			2024-25	14		

* Attainment rate not calculable: Students graduated, though none were projected.

The Data Science, BS exceeded enrollment projections in the second year of post-approval monitoring. In addition, two students completed the program, though graduates were not expected until the third monitoring year. A third tenure-track faculty and an administrative assistant were both hired in the 2021-22 academic year. Additionally, a 100-member data science student organization has been established. Recurring expenses are below projections, and tuition revenues exceed projections.

7. Art Therapy, BA

MTSU terminated the Art Therapy, BA in May 2022. MTSU plans to add a concentration in Art Therapy under the existing Art, BA/BS consistent with recommendations made by the National Schools of Art and Design (NASAD) in the accreditation process for the Art Therapy, MA.

8. Art Therapy, MA – Implementation Report

Implementation of the Art Therapy, MA has been delayed to fall 2024. Though there is student interest in the program, it has been challenging to hire a credentialed faculty member to serve as program director. A suitable candidate had been hired to start in August 2022, but that person backed out of the job in the beginning of June. Plans are currently being developed to hire the program director and second faculty member during the next academic year. Delays in faculty hiring have also delayed program accreditation by SACSCOC. In May 2022, the National Schools of Art and Design (NASAD) granted plan approval for the program, allowing them to begin enrolling students.

9. Physician Assistant Studies, MS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
May 2022	30	30	100%	2022-23	0	0	--
May 2023	57			2023-24	0		
May 2024	84			2024-25	27		
May 2025	84			2025-26	27		
May 2026	84			2026-27	27		

The Physician Assistant Studies, MS met its enrollment projections in its first year of post-approval monitoring. Graduates are not projected until the third year. Classrooms and labs have been renovated and the program has secured technologically advanced simulation materials to ensure effective instruction.

10. Data Science, MS – Implementation Report

Program implementation is scheduled for fall 2022. As of June 2022, 19 students have been admitted to the program, doubling the projections. An adjunct faculty member will be hired to teach Data Understanding (DATA 6300) in fall 2022 and a new tenure-track faculty line has been requested to begin in spring 2023.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Environmental Science	MS	2020	2	Yes	No
2. Data Science	MS	2022	Implementation	--	--
3. Agricultural Sciences	PhD	2022	Implementation	--	--

-- Not applicable.

Academic Program Summary

1. Environmental Science, MS – Standard Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2020	14	20	143%	2020-21	0	3	*
Fall 2021	25	26	104%	2021-22	10	5	50%
Fall 2022	26			2022-23	12		
Fall 2023	26			2023-24	12		
Fall 2024	27			2024-25	13		

* Attainment rate not calculable: Students graduated, though none were projected.

The Environmental Science, MS met its enrollment projections in the second year of post-approval monitoring. The program graduated half of the projected students, but an additional three students are anticipated to graduate in summer 2022. Currently, 20 students are being offered paid graduate research assistantships. A full-time faculty member in with expertise in silviculture and forest ecology was hired in spring 2022.

2. Data Science, MS – Implementation Report

The Data Science, MS is on track for fall 2022 implementation. The Department of Computer Science organized two boot camps, one in Python Programming and the other in Mathematics, over the summer of 2022 to help interested students meet program prerequisites. A total of 113 students have applied for these boot camps. Twenty-six students have applied for fall admission to the Data Science, MS and six have been unconditionally admitted. More applications are expected after the boot camps are completed.

3. Agricultural Sciences, PhD – Implementation Report

The Agricultural Sciences, PhD is on track to exceed its enrollment projections in the first year of post-approval monitoring. Six students are transferring to this program from TSU's PhD in Biological Sciences, and twelve other students have applied for fall 2022 admission. An associate professor of silviculture and forest ecology was hired in spring 2022 to support this program and the Environmental Sciences, MS. A search is underway for an assistant professor of virology, which is expected to be completed in fall 2022. The program has reassessed their graduate research assistantship funding to accommodate an increase in the Nashville cost of living, funding for these positions comes from external funds, and so the increase will not affect the program budget.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Professional Science Master's	PSM	2013	9	Yes	No
2. Engineering Management	MS	2020	2	No	--
3. Counseling and Supervision	PhD	2020	2	Yes	--
4. Community Health and Nutrition	MS	2021	1	Yes	--

-- Not applicable.

Academic Program Summaries

1. Professional Science, PSM – Productivity Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2013	9	3	33%	2013-14	0	1	*
Fall 2014	18	5	28%	2014-15	6	1	17%
Fall 2015	26	9	35%	2015-16	6	3	50%
Fall 2016	33	7	21%	2016-17	8	5	63%
Fall 2017	40	8	20%	2017-18	8	2	25%
Fall 2018	15	15	100%	2018-19	5	4	80%
Fall 2019	16	18	113%	2019-20	6	5	83%
Fall 2020	16	19	119%	2020-21	6	4	67%
Fall 2021	18	15	83%	2021-22	5	3	60%

* Attainment rate not calculable: Students graduated, though none were projected.

Slow enrollment growth in the first five years of the Professional Science, PSM has been superseded by larger enrollment since fall 2018, when the program constricted its concentrations to only offering the Environmental Informatics concentration. Graduation has been hampered by COVID related personal stress and financial constraints students are facing, and the program did not meet its graduation projections in the ninth year of post-approval monitoring. The program will remain in extended productivity monitoring to monitor progress towards meeting graduation projections.

2. Engineering Management, MS – Standard Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2020	15	14	93%	2020-21	0	0	--
Fall 2021	33	13	39%	2021-22	0	0	--
Fall 2022	50			2022-23	6		
Fall 2023	64			2023-24	9		
Fall 2024	69			2024-25	18		

The Engineering Management, MS did not meet its enrollment projections in the second year of post-approval monitoring. About half of the enrolled students are part-time students, taking only one course per semester and this large percentage of part-time students will likely contribute to lower than projected graduation rates going forward. New recruitment and advertising efforts will include online advertisement and targeted recruitment of TTU Alumni. Seven students have enrolled in the

program capstone course for fall 2022, these students are nine credits from program completion, and it is anticipated they will graduate in the next academic year.

3. Counseling and Supervision, PhD – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2020	7	6	86%	2020-21	0	0	--
Fall 2021	10	8	80%	2021-22	0	0	--
Fall 2022	15			2022-23	2		
Fall 2023	18			2023-24	2		
Fall 2024	20			2024-25	3		
Fall 2025	20			2025-26	4		
Fall 2026	23			2026-27	5		

The Counseling and Supervision, PhD reached 80 percent of its projected enrollment in the second year of post-approval monitoring. In January 2022, the Counseling and Supervision, PhD program submitted its self-study report to the Council for Accreditation of Counseling and Related Educational Programs (CACREP), an essential step in obtaining programmatic accreditation. A site visit is scheduled for fall 2022 and three faculty searches are planned for 2022-23 – two will replace full-time graduate faculty who left in 2021-22.

4. Community Health and Nutrition, MS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2021	8	13	163%	2021-22	0	0	--
Fall 2022	18			2022-23	7		
Fall 2023	21			2023-24	9		
Fall 2024	22			2024-25	10		
Fall 2025	25			2025-26	10		

The Community Health and Nutrition, MS exceeded enrollment projections in its the first year of program implementation. Twelve of the thirteen students enrolled are expected to graduate in May 2023. The program is on track to meet enrollment projections in the second year of monitoring with nine students already admitted to the fall 2022 cohort. The program was granted candidacy for accreditation by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) board in June 2020, a site visit will be held in April 2023.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Commercial Aviation	BS	2018	4	No	Yes
2. Liberal Studies	DLS	2018	4	Yes	No
3. Nursing	PhD	2019	4	Yes	--
4. Biostatistics	MS	2019	3	No	No
5. Engineering Management	MS	2020	2	No	--
6. Social Work	DSW	2020	2	No	--
7. Applied Physics	PhD	2020	2	Yes	Yes
8. Data Science	MS	2020	2	Yes	--
9. Public Health	BS	2021	1	Yes	--
10. Urban Affairs	PhD	2021	1	Yes	--
11. Nonprofit Management	MS	2021	1	Yes	Yes
12. American Sign Language and Deaf Studies	BS	2022	Implementation	--	--
13. Applied Physiology and Neuromechanics	PhD	2022	Implementation	--	--
14. Physical Therapy	DPT	2023 (Delayed to Jan 2026)	Implementation	--	--

-- Not applicable.

Program Summaries

1. Commercial Aviation, BS – Standard Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2018	10	7	70%	2018-19	0	0	--
Fall 2019	15	21	140%	2019-20	0	0	--
Fall 2020	25	12	48%	2020-21	2	3	150%
Fall 2021	30	16	53%	2021-22	5	5	100%
Fall 2022	30			2022-23	15		

The Commercial Aviation, BS met its graduation projections, but only achieved half of its projected enrollment in the fourth year of post-approval monitoring. An additional 67 students have indicated they would like to major in commercial aviation but cannot be fully admitted to the program until they complete their professional pilot license.

2. Liberal Studies, DLS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2018	12	1	8%	2018-19	0	0	--
Fall 2019	15	29	193%	2019-20	0	1	*
Fall 2020	15	43	286%	2020-21	0	0	--
Fall 2021	15	60	400%	2021-22	6	0	0%
Fall 2022	15			2022-23	9		
Fall 2023	15			2023-24	12		
Fall 2024	15			2024-25	15		

* Attainment rate not calculable: Students graduated, though none were projected.

In the fourth year of post-approval monitoring, the Liberal Studies, DLS continues to exceed its enrollment projections. The program currently has seven full-time graduate teaching assistants who are the farthest into the program having completed over 30 hours of coursework. The remaining students are enrolled part-time and have completed fewer than 20 credit hours. Though the first graduates were expected this year, no additional students have completed the program this academic year.

3. Nursing, PhD – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Spring 2019	4	5	125%	2019-20	0	0	--
Spring 2020	9	12	133%	2020-21	0	0	--
Spring 2021	14	19	136%	2021-22	0	0	--
Spring 2022	21	20	95%	2022-23	0		
Spring 2023	21			2023-24	2		
Spring 2024	25			2024-25	2		
Spring 2025	28			2025-26	1		

Enrollment in the Nursing, PhD program reached 95 percent of enrollment projections in the fourth year of post-approval monitoring. The first two student cohorts have completed their qualifying exams and will enter dissertation phase in fall 2022. No graduates are anticipated until year five of the program.

4. Biostatistics, MS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2019	5	8	160%	2019-20	0	2	*
Fall 2020	15	11	73%	2020-21	0	2	*
Fall 2021	25	5	20%	2021-22	5	2	40%
Fall 2022	30			2022-23	9		
Fall 2023	30			2023-24	9		

* Attainment rate not calculable: Students graduated, though none were projected.

The Biostatistics, MS did not meet its enrollment projections in its third year of post-approval monitoring. Though the program did not meet graduation projections for the third year, it has graduated more total students to this point in program implementation than the total projected.

5. Engineering Management, MS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2020	15	7	47%	2020-21	0	0	--
Fall 2021	27	7	26%	2021-22	0	0	--
Fall 2022	30			2022-23	6		
Fall 2023	36			2023-24	9		
Fall 2024	36			2024-25	9		

Enrollment in the Engineering Management, MS in the second year of post-approval monitoring was a quarter of their projections. Enrollment was hindered by COVID, and because the program was marketed as an online, asynchronous program, limiting the pool of students who were interested because of student preference for hands-on, in person learning. The program is now providing hybrid and on-ground courses to better meet student needs. Future marketing efforts will be organized to emphasize general knowledge students will gain in addition to the specific skills inherent to the program concentrations.

6. Social Work, DSW – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2020	16	9	56%	2020-21	0	0	--
Fall 2021	30	10	33%	2021-22	0	0	--
Fall 2022	42			2022-23	12		
Fall 2023	42			2023-24	12		
Fall 2024	42			2024-25	12		
Fall 2025	42			2025-26	12		
Fall 2026	42			2026-27	12		

The Social Work, DSW did not meet its enrollment projections in the second year of post-approval monitoring. Because of lower-than-expected enrollment, courses are being offered once every other year and have been expanded to allow enrollment of MSW students and those enrolled in other doctoral programs. A newly hired program director, focused on student recruitment, has recruited five additional students to the program for fall 2022. The search for the third proposed full-time faculty member has been postponed because of the low program enrollment. The program had a limited recruitment budget for 2021-22 and is looking to secure funds for future recruitment.

7. Applied Physics, PhD – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2020	10	11	110%	2020-21	0	0	--
Fall 2021	18	19	106%	2021-22	0	1	*
Fall 2022	23			2022-23	0		
Fall 2023	25			2023-24	3		
Fall 2024	26			2024-25	4		
Fall 2025	27			2024-25	5		
Fall 2026	28			2025-26	5		

* Attainment rate not calculable: Students graduated, though none were projected.

The Applied Physics, PhD surpassed its enrollment projections in the second year of post-approval monitoring. One student graduated from the program, though students were not expected to complete the program until its fourth year.

8. Data Science, MS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2020	10	1	10%	2020-21	0	0	--
Fall 2021	20	35	175%	2021-22	0	0	--
Fall 2022	40			2022-23	6		
Fall 2023	40			2023-24	9		
Fall 2024	40			2024-25	9		

The Data Science, MS exceeded enrollment projections substantially in its second year of post-approval monitoring. The program is growing, and enrollment is expected to be over 100 students in fall 2022. The program plans to hire a visiting assistant professor and a tenure-track assistant professor in the 2022-23 academic year. The first program graduates are not expected until the third year of monitoring.

9. Public Health, BS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2021	13	13	100%	2021-22	0	0	--
Fall 2022	31			2022-23	11		
Fall 2023	42			2023-24	11		
Fall 2024	54			2024-25	26		
Fall 2025	64			2025-26	32		

The Public Health, BS met its enrollment projections in the first year of post-approval monitoring and currently has 38 declared public health majors for fall 2022. An additional 74 incoming first-year students have declared public health as their major, which will exceed the second-year enrollment projections. The program did not project that any students would graduate until the second year of program implementation and currently eight students are on track to graduate in 2022-23. Three program developments will assist with future student recruitment. First, a public health club was

established in the fall of 2021 and currently 40 students are members. Second, the undergraduate minor in public health has 38 students enrolled, also creating program interest. Finally, a program course – Population Health and Society – was approved for inclusion in the University's general education curriculum.

10. Urban Affairs, PhD – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2021	10	10	100%	2021-22	0	0	--
Fall 2022	18			2022-23	0		
Fall 2023	21			2023-24	1		
Fall 2024	27			2024-25	3		
Fall 2025	29			2025-26	3		
Fall 2026	32			2026-27	6		
Fall 2027	32			2027-28	6		

The Urban Affairs, PhD met its enrollment projections in the first year of post-approval monitoring. Seven additional students are anticipated to enroll into the program in fall 2022. The program has developed a marketing plan for 2022-23 to increase the number of completed program applications. A full-time faculty member was hired in July 2021 who also serves as the program director.

11. Nonprofit Management, MS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2021	8	9	113%	2021-22	0	1	*
Fall 2022	15			2022-23	3		
Fall 2023	20			2023-24	10		
Fall 2024	27			2024-25	15		
Fall 2025	30			2025-26	25		

* Attainment rate not calculable: Students graduated, though none were projected.

The Nonprofit Management, MS exceeded enrollment projections in the first year of post-approval monitoring. Additionally, the program had one graduate, though none were projected until year two.

12. American Sign Language and Deaf Studies, BS – Implementation Report

The American Sign Language and Deaf Studies, BS is scheduled for fall 2022 implementation. A qualified program director has been hired and a search is currently underway for a certified interpreter who can also participate in program administration. Funding has not been allocated for this position as of May 2022. Several program courses need to be developed and will be needed as students seek upper-level offerings to complete the degree. An additional two faculty positions have been requested to fill this need.

13. Applied Physiology and Neuromechanics, PhD – Implementation Report

The Applied Physiology and Neuromechanics, PhD is on track to exceed its enrollment projections in the first year of post-approval monitoring. Forty-two students applied for the program, and eight have been admitted, accounting for 115 percent of their enrollment projections.

14. Physical Therapy, DPT – Implementation Report

The Physical Therapy, DPT program was preparing for fall 2023 implementation, but has been delayed to January 2026 by the Commission on Accreditation in Physical Therapy Education (CAPTE). CAPTE only allows a certain number of new programs to begin each year, and the Physical Therapy, DPT has been scheduled for a January 2026 start. The search for a program director has been delayed as well.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Mechatronics Engineering Technology	BAS	2018	4	Yes	No
2. Chronic Disease and Prevention and Control	MPH	2018	4	No	Yes
3. Data Analytics	MS	2019	3	Yes	No
4. Applied Leadership	BAS	2021	1	Yes	--

-- Not applicable.

Academic Program Summaries

1. Mechatronics Engineering Technology, BAS – Standard Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2018	20	7	35%	2018-19	0	0	--
Fall 2019	30	37	123%	2019-20	0	5	*
Fall 2020	40	64	160%	2020-21	10	10	100%
Fall 2021	50	86	172%	2021-22	12	9	75%
Fall 2022	60			2022-23	15		

* Attainment rate not calculable: Students graduated, though none were projected.

In the fourth year of monitoring, the Mechatronics Engineering Technology, BAS enrolled 86 students, accounting for 172 percent of their projected enrollment. This continues a trajectory of larger than anticipated program enrollment extending back to year two. Nine students completed the program in 2021-22. The larger than expected enrollment has increased program cost slightly because of the need to employ additional faculty and purchase additional lab equipment. Of note, one program faculty member was awarded the Chattanooga Regional Manufacturers Association Engineer Award.

2. Chronic Disease Prevention and Control, MPH – Standard Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2018	20	21	105%	2018-19	0	0	--
Fall 2019	38	31	82%	2019-20	0	16	*
Fall 2020	56	37	66%	2020-21	18	12	67%
Fall 2021	56	39	70%	2021-22	18	16	89%
Fall 2022	56			2022-23	19		

* Attainment rate not calculable: Students graduated, though none were projected.

Enrollment in the Chronic Disease Prevention and Control, MPH program met 70 percent of projections in 2021. To address lagging enrollment, the program has implemented several changes, including changing their admission model to allow students to enroll at two points in the year and

adjusting class times to fit student need. The program has also recently attained programmatic accreditation from the Council on Education for Public Health (CEPH). The program had 16 graduates in its fourth year of post-approval monitoring, accounting for 89 percent of their graduation projections. A total of 44 students have completed the program to date, exceeding the total number of graduates projected by year four by 22 percent.

3. Data Analytics, MS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2019	15	3	20%	2019-20	0	0	--
Fall 2020	20	34	170%	2020-21	0	0	--
Fall 2021	24	49	204%	2021-22	14	8	57%
Fall 2022	24			2023-24	15		
Fall 2023	24			2024-25	15		

For fall 2021, 49 students enrolled in the Data Analytics, MS, leading to the program exceeding its exceeding enrollment projections in its third year. This marks a second consecutive year of larger than anticipated program enrollment. However, only eight students completed the program in year three which was 57 percent of the graduation projections. The lower than anticipated graduation rate is a consequence of lower than projected year one program enrollment.

4. Applied Leadership, BAS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2021	15	12	80%	2021-22	0	0	--
Fall 2022	42			2023-24	0		
Fall 2023	66			2024-25	6		
Fall 2024	84			2025-26	12		
Fall 2025	96			2026-27	18		

After approval in July 2021 by the Commission, the Applied Leadership, BAS achieved 80 percent of its enrollment projections by the fall 2021 census, one month later. No graduates are projected until the third year. Twenty-two students enrolled in spring 2022, placing the program on track to its projected graduation target for 2024.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Pharmaceutical Sciences	BS	2020	2	No	Yes

Academic Program Summary

1. Pharmaceutical Sciences, BS – Standard Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2020	175	169	97%	2020-21	571	486	85%
Fall 2021	175	133	76%	2021-22	170	140	82%
Fall 2022	175			2022-23	170		
Fall 2023	175			2023-24	170		
Fall 2024	175			2024-25	170		

Enrollment and graduation for the Pharmaceutical Sciences, BS were both around 80 percent of projections in the second year of post-approval monitoring. The lower-than-expected program enrollment relates to reduced enrollment in UTHSC's Doctor of Pharmacy program. The Pharmaceutical Sciences, BS is granted to students enrolled in the Doctor of Pharmacy program upon completion of the curricular requirements for the bachelor's degree. UTHSC expects that future enrollment in the Pharmaceutical Science, BS will be lower than projected because of a national trend of declining applications to Doctor of Pharmacy programs.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Entomology, Plant Pathology, and Nematology	PhD	2015	7	Yes	No
2. United States Business Law	MS	2016	Terminated	--	--
3. Supply Chain Management	MS	2017	5	Yes	Yes
4. Data Science Engineering	PhD	2017	5	No	No
5. Information Sciences	BS	2019	3	Yes	Yes
6. Public Health Sciences	PhD	2020	2	Yes	No
7. Deaf Studies	BS	2020	2	No	No
8. Legal Studies	MLS	2021	1	Yes	--
9. Education	BS	2021 (delayed to fall 2022)	Implementation	--	--
10. Geographic Information Science and Technology	BS	2021	1	No	No

-- Not applicable.

Academic Program Summaries

1. Entomology, Plant Pathology, and Nematology, PhD – Summative Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2015	3	0	0%	2015-16	0	1	*
Fall 2016	7	11	157%	2016-17	0	1	*
Fall 2017	11	9	82%	2017-18	3	2	67%
Fall 2018	15	11	73%	2018-19	3	4	133%
Fall 2019	18	14	78%	2019-20	4	4	100%
Fall 2020	18	22	122%	2020-21	4	1	25%
Fall 2021	18	25	139%	2021-22	4	1	25%

* Attainment rate not calculable: Students graduated, though none were projected.

Enrollment in the Entomology, Plant Pathology, and Nematology, PhD program exceeded projections by nearly 40 percent in the seventh year of post-approval monitoring. Graduation fell below projections in both year six and seven. The program attributes the lack of graduates in both 2020-2021and 2021-22 to COVID-19 restrictions. The program will enter productivity monitoring for three years.

2. United States Business Law, MS

The University of Tennessee, Knoxville terminated United States Business Law, MS, effective February 2022.

3. Supply Chain Management, MS – Summative Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2017	10	6	60%	2017-18	0	0	--
Fall 2018	20	14	70%	2018-19	0	0	--
Fall 2019	52	57	110%	2019-20	10	23	230%
Fall 2020	151	154	102%	2020-21	20	30	150%
Fall 2021	173	241	139%	2021-22	20	73	365%

In the fifth year of post-approval monitoring, the Supply Chain Management, MS continued a three-year trend of exceeding its enrollment and graduation projections. The program attributes its expanded enrollment and graduation numbers to their development of an option for online delivery of the program. The online program carries high marketing and recruitment costs, but these costs will be recuperated with expanded enrollment. Enrollment in the residential program was hampered by COVID-19, but the program expects expansion of the residential offerings in the near future. The Supply Chain Management, MS program has successfully completed post-approval monitoring and will be monitored via Quality Assurance Funding moving forward.

4. Data Science Engineering, PhD – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2017	15	10	67%	2017-18	0	0	--
Fall 2018	35	18	51%	2018-19	0	0	--
Fall 2019	60	29	48%	2019-20	0	3	*
Fall 2020	85	33	39%	2020-21	0	4	*
Fall 2021	100	40	40%	2021-22	10	3	30%
Fall 2022	110			2022-23			
Fall 2023	120			2023-24			

* Attainment rate not calculable: Students graduated, though none were projected.

The Data Science Engineering, PhD program did not meet its enrollment or graduation projections in its fifth year of post-approval monitoring. In part, enrollment is limited by capacity, and the program is recruiting 10 students per year rather than the 25 per year as originally projected. Ten students have completed the program to date, matching the cumulative graduation projections by year five but spread out over three years of monitoring.

5. Information Sciences, BS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2019	10	19	190%	2019-20	0	0	--
Fall 2020	18	45	250%	2020-21	0	2	*
Fall 2021	26	104	400%	2021-22	0	18	*
Fall 2022	34			2022-23	6		
Fall 2023	42			2023-24	12		

* Attainment rate not calculable: Students graduated, though none were projected.

The Information Sciences, BS program substantially surpassed its enrollment projections in its third year of post-approval monitoring, as it has in each year since program approval. Although the program did not project having any graduates until year four, they have already graduated 20 students. Elevated student enrollment in the program has also increased tuition revenue by approximately 200 percent. Recurring costs are also up, chiefly due to the hiring of two tenure track faculty were hired in August 2020.

6. Public Health Sciences, PhD – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2020	9	8	89%	2020-21	3	0	0%
Fall 2021	10	13	130%	2021-22	4	0	0%
Fall 2022	13			2022-23	2		
Fall 2023	16			2023-24	2		
Fall 2024	18			2024-25	4		
Fall 2025	19			2025-26	5		
Fall 2026	20			2026-27	5		

The Public Health Sciences, PhD program exceeded its enrollment projections in its second year of post-approval monitoring due to the investment of faculty in recruiting students to the program. It did not meet its graduation projections. However, one student is expected to complete the program in summer 2022. Additionally, one student delayed their studies to pursue international research through a McClure Global Award, and another received a Fulbright Award and took a leave of absence.

7. Deaf Studies, BS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2020	48	46	96%	2020-21	12	11	92%
Fall 2021	53	37	70%	2021-22	12	8	67%
Fall 2022	58			2022-23	14		
Fall 2023	63			2023-24	17		
Fall 2024	68			2024-25	17		

After nearly meeting the enrollment and graduation projections in the first year of post-approval monitoring, the Deaf Studies, BS met neither enrollment nor graduation projections in the second year of monitoring. Despite the lower than projected number of declared majors, program courses are filling because of the robust enrollment in the American Sign Language minor. Program

enrollment has been constrained by delays in getting program concentrations approved as PreK-12 teacher licensure pathways. At present only two of the seven undergraduate licensure pathways have completed curricular review at UTK and appear in the fall 2022 catalog. The other five pathways have been resubmitted and should appear in the fall 2023 catalog. The approval of these pathways will assist program recruitment. Finally, four program faculty were hired to support the major, two replacing retiring faculty, and two new hires.

8. Legal Studies, MLS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
2021	5	10	200%	2021-22	0	0	---
2022	6			2022-23	3		
2023	15			2023-24	15		
2024	17			2024-25	15		
2025	17			2025-26	15		

The Legal Studies, MLS enrolled twice the anticipated students in the first year of post-approval monitoring. This enrollment increase is related to the expanded online offerings that make the program more accessible to working professionals and those living outside of the Knoxville area. The development of online courses did incur one-time program costs that were significantly higher than projected, but these costs are more than offset by increased revenue from the increased program enrollment.

9. Education, BS – Implementation Report

The Education, BS is moving towards effective program implementation in fall 2022, and 94 students have already declared this major. Implementation of this program was delayed from the original implementation date of fall 2021 because it was added to the university catalog after the fall 2021 recruitment and admission cycle had already started.

10. Geographic Information Science and Technology, BS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2021	10	0	0%	2021-22	0	0	--
Fall 2022	24			2022-23	0		
Fall 2023	41			2023-24	0		
Fall 2024	60			2024-25	6		
Fall 2025	82			2025-26	16		

The Geographic Information Science and Technology, BS was approved by the Commission in May 2021 for August 2021 implementation. However, because of a procedural error the program was not included in the online catalog until late August and was not included in promotional materials listing available undergraduate programs at UTK until October 2021. The result is that students were not aware of this program and students did not enroll in the program in fall 2021. The department has created and carried out an advertising and recruitment plan for the remainder of 2021 and 2022, aiming to increase program enrollment to the levels projected. Five students were enrolled in the program in spring 2022.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Strategic Communication	MASC	2017	5	Yes	Yes
2. Veterinary Science and Technology	BS	2021	1	Yes	No
3. Sport Coaching and Performance	MSCP	2022	1	Yes	Yes
4. Criminal Justice	MS	2022	1	Yes	--
5. Cybersecurity	BS	2022	Implementation	--	--

-- Not applicable.

Academic Program Summary

1. Strategic Communication, MASC – Summative Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2017	10	15	150%	2017-18	0	6	*
Fall 2018	15	15	100%	2018-19	0	1	*
Fall 2019	20	22	110%	2019-20	5	7	140%
Fall 2020	25	29	116%	2020-21	8	3	38%
Fall 2021	25	29	116%	2021-22	10	13	130%

* Attainment rate not calculable: Students graduated, though none were projected.

The Strategic Communications, MASC exceeded its enrollment projections in the fifth year of post-approval monitoring, as it has for each year in the post-approval monitoring cycle. After missing graduation projections in their fourth year, the program exceeded its projections in the fifth year. Additionally, more students have completed the program in its first five years than were projected. It is also worth mentioning that recurring expenses have been far lower than projected for the life of the program and tuition revenue exceeded projections in each year. The Strategic Communications, MASC program has successfully completed post-approval monitoring and will be monitored via Quality Assurance Funding moving forward.

2. Veterinary Science and Technology, BS – Standard Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2021	314	329	105%	2021-22	261	37	14%
Fall 2022	314			2022-23	261		
Fall 2023	314			2023-24	261		
Fall 2024	314			2024-25	261		
Fall 2025	314			2025-26	261		

The Veterinary Science and Technology, BS exceeded its first-year enrollment projections but did not meet graduation projections. UTM overestimated the number of graduates in year one partially because they did not account for attrition and overestimated how many students would complete the program in one year.

3. Sport Coaching and Performance, MSCP – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Spring 2022	10	12	120%	2021-22	0	5	*
Spring 2023	18			2022-23	8		
Spring 2024	22			2023-24	8		
Spring 2025	26			2024-25	12		
Spring 2026	29			2025-26	12		

* Attainment rate not calculable: Students graduated, though none were projected.

The Sport Coaching and Performance, MSCP exceeded enrollment projections in its first year of post-approval monitoring. In addition, five students who were in an existing graduate program were able to change their major to the Sport Coaching and Performance, MSCP, and graduate in spring 2022. Recurring spending was lower than projected in 2021-2022 because a projected faculty line was not filled.

4. Criminal Justice, MS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Spring 2022	10	11	110%	2021-22	0	0	--
Spring 2023	15			2022-23	7		
Spring 2024	18			2023-24	20		
Spring 2025	23			2024-25	25		
Spring 2026	30			2025-26	25		

In the first year of post-approval monitoring, the Criminal Justice, MS exceeded its enrollment projections. Graduates are not projected until the programs second year in PAM.

5. Cybersecurity, BS – Implementation Report

UTM's Cybersecurity, BS was approved in 2021 for implementation in fall 2022 and the program is working to prepare for successful program launch. Though hiring new program faculty took longer than expected, a faculty member was hired in spring 2022. However, the department chair, an assistant professor, and the program resource specialist each left the university unexpectedly. Searches to replace these positions are currently underway. The program is progressing towards meeting its enrollment projections for fall 2022. At present, five students have declared an intent to change their major to cybersecurity. Program staff will continue recruiting students over the summer to increase enrollment for the next academic year.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Paramedic	AAS	2016	6	No	No
2. Nuclear Medicine Technology	AAS	2017	5	Yes	No

Academic Program Summaries

1. Paramedic, AAS – Productivity Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2016	20	19	95%	2016-17	15	6	40%
Fall 2017	20	14	70%	2017-18	15	4	27%
Fall 2018	20	3	15%	2018-19	15	5	33%
Fall 2019	20	8	40%	2019-20	15	6	40%
Fall 2020	20	9	45%	2020-21	15	6	40%
Fall 2021	10	7	70%	2021-22	10	5	50%
Fall 2022	10			2022-23	10		
Fall 2023	10			2023-24	10		

The Paramedic, AAS did not meet enrollment or graduation projections in its sixth year of post-approval monitoring. The program currently has a vacancy in the department which has limited the marketing and outreach of the program. Four instructors in the paramedic program have died since September 2019, increasing instructional and emotional burden on the remaining faculty. Lower than expected enrollment will be mitigated through increased marketing activities and increased efforts to retain certificate seeking students. The program will continue in extended productivity monitoring.

2. Nuclear Medicine Technology, AAS – Productivity Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2017	13	14	108%	2017-18	10	0	0%
Fall 2018	13	16	123%	2018-19	10	0	0%
Fall 2019	13	15	115%	2019-20	10	3	30%
Fall 2020	13	14	107%	2020-21	10	6	60%
Fall 2021	13	15	115%	2021-22	10	4	40%

The Nuclear Medicine Technology, AAS exceeded enrollment projections but did not meet its graduation goals. Program recruitment efforts will continue at local high schools and on campus tours. The program will be moved into extended productivity monitoring.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Fine Arts	AFA	2013	9	No	No
2. Medical Informatics	AAS	2014	8	No	No
3. Paramedic	AAS	2015	7	Yes	No
4. Law Enforcement	AAS	2017	5	No	No

Academic Program Summaries

1. Fine Arts, AFA – Productivity Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2013	15	6	40%	2013-14	10	1	10%
Fall 2014	40	12	30%	2014-15	25	0	0%
Fall 2015	20	14	70%	2015-16	3	2	67%
Fall 2016	27	15	56%	2016-17	5	1	20%
Fall 2017	34	18	53%	2017-18	12	6	50%
Fall 2018	34	17	50%	2018-19	12	5	42%
Fall 2019	34	21	62%	2019-20	12	2	17%
Fall 2020	20	20	100%	2020-21	12	2	17%
Fall 2021	15	11	73%	2021-22	12	2	17%

The Fine Arts, AFA did not meet enrollment nor graduation projections in the ninth year of post-approval monitoring. Implications of COVID continue to be seen in the program, both in terms of decreased opportunities for in person high school recruitment and in student progression in the program. The music theory courses were redesigned this year to utilize an affordable textbook and a variety of online resources. A jazz ensemble was created to provide additional opportunities for students to learn and perform. The program has had many conversations with TBR and program auditors about program innovations needed to better meet the needs of students. Some program directions include, connecting students with music faculty earlier in their program of study, building student cohorts, collecting data from current students and alumni, and conducting a comprehensive needs assessment. Because of lower than projected enrollment and graduation numbers, the Fine Arts, AFA will remain in extended productivity monitoring.

2. Medical Informatics, AAS – Productivity Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2014	15	0	0%	2014-15	0	0	--
Fall 2015	20	1	5%	2015-16	12	0	0%
Fall 2016	20	7	35%	2016-17	15	1	7%
Fall 2017	20	1	5%	2017-18	15	0	0%
Fall 2018	20	7	35%	2018-19	15	1	7%
Fall 2019	20	8	40%	2019-20	15	0	0%
Fall 2020	20	4	20%	2020-21	15	1	7%
Fall 2021	20	7	35%	2021-22	15	0	0%
Fall 2022	20			2022-23	15		

The Medical Informatics, AAS was below enrollment and graduation projections in its eighth year of post-approval monitoring. The program had a successful program review in March 2022, which recommended that the program name be changed to better reflect program curriculum. Meetings are planned with the TBR Common Curriculum Committee to pursue this change. The program will continue in extended productivity monitoring.

3. Paramedic, AAS – Productivity Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2015	10	15	150%	2015-16	0	2	*
Fall 2016	18	7	39%	2016-17	12	1	8%
Fall 2017	18	17	94%	2017-18	12	1	8%
Fall 2018	18	10	56%	2018-19	12	6	50%
Fall 2019	18	7	39%	2019-20	12	5	42%
Fall 2020	18	10	56%	2020-21	12	1	8%
Fall 2021	15	14	93%	2021-22	12	0	0%
Fall 2022	15			2022-23	12		
Fall 2023	15			2023-24	12		

* Attainment rate not calculable: Students graduated, though none were projected.

Enrollment in the Paramedic, AAS has grown over the past three years, and is currently 93 percent of enrollment projections. No students graduated from the program in 2021-22, though at least seven students are expected to graduate in summer 2022. The program will continue in extended productivity monitoring to track progress towards meeting graduation projections.

4. Law Enforcement, AAS – Productivity Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2017	15	6	40%	2017-18	0	1	*
Fall 2018	28	24	86%	2018-19	8	4	50%
Fall 2019	30	29	97%	2019-20	10	5	50%
Fall 2020	30	20	67%	2020-21	10	3	30%
Fall 2021	15	9	60%	2021-22	10	1	10%
Fall 2022	20			2022-23	10		
Fall 2023	20			2023-24	12		

* Attainment rate not calculable: Students graduated, though none were projected.

The Law Enforcement, AAS did not meet enrollment nor graduation projections in its fifth year of post-approval monitoring. Lower than expected enrollment is at least partially attributed to a changing public perception of law enforcement that may be related to a drop in new applicants for positions at state and local law enforcement agencies. Recruitment at local high schools continues throughout the year, and the program is working to redesign chemistry and physics labs to better reflect the type of work law enforcement students would experience in their post-graduation career. The program will continue in extended productivity monitoring.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Anesthesia Technology	AAS	2018	5	Yes	No
2. Fire Science	AAS	2019	3	No	No
3. Civil and Construction Engineering	AAS	2020 (delayed to Fall 2022)	Implementation	--	--

-- Not applicable.

Academic Program Summaries

1. Anesthesia Technology, AAS – Productivity Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2017	10	0	0%	2017-18	0	0	--
Fall 2018	20	5	25%	2018-19	5	3	60%
Fall 2019	25	9	36%	2019-20	8	7	88%
Fall 2020	15	25	167%	2020-21	4	3	75%
Fall 2021	26	24	92%	2021-22	12	7	58%
Fall 2022	26			2022-23	10		
Fall 2023	26			2023-24	13		

The Anesthesia Technology, AAS realized 92 percent of its enrollment projections and 58 percent of its graduation projections in its fifth year of post-approval monitoring. Recruitment of qualified students continues to be a challenge. Many students declare Pre-Anesthesia Technology as their major but are not able to achieve minimum course requirements for acceptance into the Anesthesia Technology, AAS. To meet this challenge, advisors have been trained on entry requirements and the application process for the program. The program is also partnering with college success advisors to help students with chemistry and anatomy and physiology coursework. The program is also constrained by limited clinical placement, which slows student progression. Lastly, the Commission on Accreditation of Allied Health Education Programs (CAAHEP) awarded initial accreditation to the program in May 2022, making it one of nine accredited programs in the nation.

2. Fire Science, AAS – Summative Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2019	10	1	10%	2019-20	0	0	--
Fall 2020	23	1	4%	2020-21	2	0	0%
Fall 2021	30	0	0%	2021-22	8	0	0%

The Fire Science, AAS had no students enrolled during the 2021-22 academic year. A search for a program director was postponed, and no fire science classes were offered. A search is currently being

developed for a program director who would also be qualified to teach in the Emergency Medical Services program. If the search proves unsuccessful, the college will submit paperwork to terminate or inactivate the program. The program will move to productivity monitoring for three years.

3. Civil and Construction Engineering, AAS – Implementation Report

The Civil and Construction Engineering, AAS was scheduled for fall 2020 implementation, but that timeline has been delayed. A program director is required to start the program, but the search for that position has been postponed for a second time. Approval of the SACSCOC substantive change requires hiring the program director, and the change will not be filed until the program director has been hired. Columbia State is planning to terminate the program if it is not implemented by 2023.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Health Sciences	AAS	2017	5	Yes	No

Academic Programs Summary

1. Health Sciences, AAS – Productivity Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2017	20	3	15%	2017-18	0	0	--
Fall 2018	40	19	48%	2018-19	20	0	0%
Fall 2019	40	127	318%	2019-20	20	4	20%
Fall 2020	50	84	168%	2020-21	10	5	50%
Fall 2021	60	53	88%	2021-22	15	5	33%
Fall 2022	70			2022-23	20		

The Health Sciences, AAS enrolled 88 percent of projected students in Fall 2021, and graduated 33 percent of their projections. The program reports increasing retention rates of 65 percent in 2020-21 to 77 percent in 2021-22. At present about two thirds of students are enrolled part-time which has impacted progress towards meeting graduation projections. The program is planning to embed both the Quality Improvement in Long Term Services and Supports (QuILTSS) certificate program and a surgical technology certificate into the Health Sciences, AAS in the next academic year. The embedding of these certificates is expected to result in increased enrollment in the Health Sciences, AAS. The program will continue in extended productivity monitoring.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Fire Science	AAS	2018	Terminated	--	--
2. Respiratory Care	AAS	2018	4	No	Yes

-- Not applicable.

Academic Programs Summaries

1. Fire Science, AAS – Terminated

Jackson State Community College terminated the Fire Science, AAS due to difficulties staffing the program appropriately.

2. Respiratory Care, AAS – Productivity Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Spring 2018	12	11	92%	2018-19	11	10	91%
Spring 2019	26	11	42%	2019-20	12	10	83%
Fall 2020	28	13	46%	2020-21	14	0*	0%
Fall 2021	24	19	79%	2021-22	12	10	83%
Fall 2022	22			2022-23	8		
Fall 2023	26			2023-24	14		

* No graduates because the program changed admission semester from Spring to fall.

The Respiratory Care, AAS program met about 80 percent of its enrollment and graduation projections in its fourth year of post-approval monitoring. Program enhancements over the 2021-22 academic year included student recruitment assistance through a Career Ready Perkins Grant; the purchase of equipment to enhance neonatal and pediatric training; and the addition of several clinical sites.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Paramedic	AAS	2014	8	No	Yes
2. Medical Laboratory Technology	AAS	2017	5	Yes	No
3. Fine Arts	AFA	2017	5	No	No
4. Entrepreneurship	AAS	2020	2	No	No

Academic Program Summaries

1. Paramedic, AAS – Productivity Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2014	3	5	167%	2014-15	2	0	0%
Fall 2015	5	19	380%	2015-16	4	2	50%
Fall 2016	8	28	350%	2016-17	6	1	17%
Fall 2017	12	26	217%	2017-18	8	4	50%
Fall 2018	17	50	294%	2018-19	10	3	30%
Fall 2019	17	30	176%	2019-20	10	2	20%
Fall 2020	17	21	124%	2020-21	10	1	10%
Fall 2021	17	13	76%	2021-22	10	9	90%
Fall 2022	17			2022-23	10		

The Paramedic, AAS has adjusted the way students are enrolled into the program for this post-approval monitoring report. Previously, all students interested in paramedic training were registered for the AAS, including those who were only interested in completing the certificate. Now an intake evaluation helps filter students into the specific program that fits their goals. Using the adjusted method, program enrollment was approximately three quarters of projections in the eighth year of post-approval monitoring. However, 90 percent of projected students graduated from the program. The program continues to face enrollment challenges because an associate degree is not a requirement for employment in the paramedic field. Plans are underway to offer paramedic classes on multiple Motlow campuses, not just Smyrna. This geographic expansion will require adding full-time instructors.

2. Medical Laboratory Technology, AAS – Productivity Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2017	10	18	180%	2017-18	10	0	0%
Fall 2018	12	32	267%	2018-19	10	0	0%
Fall 2019	12	30	250%	2019-20	12	8	67%
Fall 2020	12	19	158%	2020-21	12	8	67%
Fall 2021	12	16	133%	2021-22	12	0	0%
Fall 2022	12			2022-23	12		
Fall 2023	12			2023-24	12		

The Medical Laboratory Technology, AAS exceeded its enrollment projections for fall 2021. Several enrolled students will complete the program in summer 2022. The program has engaged in extensive curriculum revision including conversion to a hybrid/simulation format that will incorporate virtual and technology-enhanced learning; technical simulation through diagnostic level automation; and conventional on-ground contact hours. These curricular changes should increase student retention and completion.

3. Fine Arts, AFA – Productivity Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2017	20	20	100%	2017-18	0	2	*
Fall 2018	20	18	90%	2018-19	16	0	0%
Fall 2019	25	21	84%	2019-20	16	0	0%
Fall 2020	25	27	108%	2020-21	16	0	0%
Fall 2021	25	14	56%	2021-22	5	2	40%
Fall 2022	30			2022-23	10		
Fall 2023	35			2023-24	15		

* Attainment rate not calculable: Students graduated, though none were projected.

The Fine Arts, AFA did not meet enrollment nor graduation projections in their fifth year of post-approval monitoring. The program is in a rebuilding phase after COVID-related cancelations of several music major courses and live performances. The program will remain in productivity monitoring as it rebuilds.

4. Entrepreneurship, AAS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2020	15	25	167%	2020-21	0	0	0%
Fall 2021	27	19	70%	2021-22	7	3	43%
Fall 2022	45			2022-23	19		

The Entrepreneurship, AAS did not meet enrollment or graduation projections in its second year of post-approval monitoring. Program courses moved to virtual delivery because of the pandemic and will be moving back to on-ground delivery soon. Early enrollment numbers for fall 2022 look promising.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Fine Arts	AFA	2012	10	Yes	No
2. Hospitality Management	AAS	2017	5	Yes	Yes
3. Retail Management	Certificate	2017	5	No	No
4. Paralegal Studies	Certificate	2020	2	No	Yes

Academic Program Summaries

1. Fine Arts, AFA – Productivity Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2012	0	0	--	2012-13	0	0	--
Fall 2013	55	33	60%	2013-14	10	0	0%
Fall 2014	70	31	44%	2014-15	18	0	0%
Fall 2015	50	39	78%	2015-16	10	2	20%
Fall 2016	50	72	144%	2016-17	10	1	10%
Fall 2017	60	67	112%	2017-18	15	5	33%
Fall 2018	60	51	85%	2018-19	15	8	53%
Fall 2019	60	57	95%	2019-20	15	3	20%
Fall 2020	60	41	68%	2020-21	15	13	87%
Fall 2021	50	33	66%	2021-22	10	11	110%
Fall 2022	50			2022-23	10		
Fall 2023	50			2023-24	10		

The Fine Arts, AFA program did not meet enrollment projections but exceeded its graduation projections for the first time in ten years of post-approval monitoring. To increase enrollment, the program has prepared an articulation agreement allowing Nashville State AFA graduates to transfer into the Bachelor of Commercial Music program at Belmont, pending a successful audition, which should be signed summer 2022. The program will continue in productivity monitoring for at least two more academic years.

2. Hospitality Management, AAS – Productivity Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2017	30	14	47%	2017-18	0	2	*
Fall 2018	55	31	56%	2018-19	5	2	40%
Fall 2019	63	34	54%	2019-20	10	1	10%
Fall 2020	20	29	145%	2020-21	5	2	40%
Fall 2021	25	29	116%	2021-22	7	6	86%
Fall 2022	30			2022-23	10		

* Attainment rate not calculable: Students graduated, though none were projected.

Enrollment in the Hospitality Management, AAS exceeded projections in the fifth year of post-approval monitoring and the number of graduates reached 86 percent of projections. The program incorporated several innovations over the last academic year including embedding several optional certificates and developing an advisory committee made up of industry representatives to define skills and expectations needed for graduates to be successful after graduation. Lastly, the program is working on incorporating an apprenticeship into the program to expand options for post-graduation employment. The program will continue in productivity monitoring for at least one additional year to see how these program changes affect graduation.

3. Retail Management, Certificate – Productivity Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2017	35	17	49%	2017-18	5	3	60%
Fall 2018	45	10	22%	2018-19	10	3	30%
Fall 2019	60	9	15%	2019-20	15	6	40%
Fall 2020	25	1	4%	2020-21	10	0	0%
Fall 2021	30	1	3%	2021-22	10	2	20%
Fall 2022	35			2022-23	10		

The Retail Management certificate missed enrollment and graduation projections in year five of post-approval monitoring and has only enrolled two students in the last two years. Enrollment may be hindered by the current high demand for retail jobs that do not require a postsecondary credential. The program is approaching major retailers to explore options for blending program curriculum with components of the retailer's employee training program. The program is also shifting courses to 7-week online courses, which will provide increased flexibility for students.

4. Paralegal Studies, Certificate – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2020	15	5	33%	2020-21	5	2	40%
Fall 2021	20	14	70%	2021-22	13	12	92%
Fall 2022	30			2022-23	18		

The Paralegal Studies certificate reached 70 percent of its enrollment projections and 92 percent of its graduation projections in its second year of post-approval monitoring. Lower than anticipated enrollment may be related to increased workload for employees in law-related fields, possibly creating uncertainty for working students around their ability to balance work with school.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Unmanned Aircraft Systems	Certificate	2022	Implementation	--	--
2. Electromechanical Technology	Certificate	2021	1	No	Yes

-- Not applicable.

Academic Program Summaries

1. Unmanned Aircraft Systems, Certificate – Implementation Report

The Unmanned Aircraft Systems certificate did not start in spring 2022 as planned because of the unexpected loss of a full-time faculty member. A cohort will begin the program fall 2022 and the first graduates are expected in spring 2023.

2. Electromechanical Technology, Certificate – Standard Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2021	22	0	0%	2021-22	10	22	220%
Fall 2022	45			2022-23	16		
Fall 2023	55			2023-24	26		

The Electromechanical Technology certificate is embedded in the Electrical Engineering technology, AAS. Enrollment is listed as zero in the table above because students are recorded by degree, not certificate in the college's registration system. The program exceeded graduation projections by more than double in its first year of post-approval monitoring.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Water Quality Technology	AAS	2019	3	No	No
2. Architectural Design Technology	AAS	2020	2	Yes	No

Academic Program Summaries

1. Water Quality Technology, AAS – Summative Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2019	12	7	58%	2019-20	0	0	--
Fall 2020	20	18	90%	2020-21	7	2	29%
Fall 2021	29	17	59%	2021-22	12	5	42%

The Water Quality Technology, AAS did not meet its enrollment nor graduation projections in its third year of monitoring. Program recruitment is coordinated by both the program coordinator and cohort specialist. These professionals coordinate with an advisory board composed of industry partners four times a year, when they confer on recruitment, industry changes, and employer needs. Curricular changes that emerged from conversations with the advisory board will be included in the 2022-23 catalog and these changes are expected to improve program enrollment and graduation. Due to the lower-than-expected program enrollment and graduation numbers, the Water Quality Technology, AAS will move to productivity monitoring for three years.

2. Architectural Design Technology, AAS – Standard Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2020	12	25	208%	2020-21	0	2	*
Fall 2021	16	18	113%	2021-22	7	5	71%
Fall 2022	20			2022-23	10		

* Attainment rate not calculable: Students graduated, though none were projected.

The Architectural Design Technology, AAS exceeded enrollment projections, but did not meet graduation projections in its second year of post-approval monitoring. Program enrollment and completion were negatively affected by the shift to online course delivery during the pandemic. As of spring 2022, 28 students were enrolled in the program and Pellissippi State is hopeful that this pipeline will result in meeting enrollment and graduation projections for the third year of post-approval monitoring.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Projections Meet
1. Financial Services	AAS	2014	8	No	No
2. Medical Informatics	AAS	2015	7	No	No
3. Chemical Engineering Technology	AAS	2019	3	Yes	Yes
4. Medical Laboratory Technology	AAS	2020 (delayed to 2021)	1	No	--

-- Not applicable.

Academic Program Summaries

1. Financial Services, AAS – Productivity Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2014	17	9	53%	2014-15	0	0	--
Fall 2015	23	21	91%	2015-16	10	2	20%
Fall 2016	33	16	48%	2016-17	16	2	13%
Fall 2017	20	14	70%	2017-18	10	5	50%
Fall 2018	22	11	50%	2018-19	10	0	0%
Fall 2019	25	15	60%	2019-20	10	1	10%
Fall 2020	15	14	93%	2020-21	10	1	10%
Fall 2021	20	13	65%	2021-22	15	2	13%
Fall 2022	25			2022-23	20		

The Financial Services, AAS did not meet enrollment nor graduation projections in the eighth year of post-approval monitoring. The departure of the lead faculty member in fall 2021 combined with the inability to recruit in high schools because of COVID restrictions created recruitment challenges and contributed to the low enrollment. Recruitment efforts are progressing by establishing partnerships with business education programs at area high schools and by communicating curricular changes that better prepare students to complete industry certifications.

2. Medical Informatics, AAS – Productivity Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2015	15	1	7%	2015-16	0	0	--
Fall 2016	27	2	7%	2016-17	12	1	8%
Fall 2017	27	9	33%	2017-18	12	0	0%
Fall 2018	10	7	70%	2018-19	2	1	50%
Fall 2019	10	1	10%	2019-20	4	0	0%
Fall 2020	10	5	50%	2020-21	6	2	33%
Fall 2021	10	3	30%	2021-22	4	0	0%
Fall 2022	10			2022-23	6		
Fall 2023	10			2023-24	6		

The Medical Informatics, AAS did not meet enrollment projections, and did not graduate any students in its seventh year of post-approval monitoring. A more aggressive advertising campaign has already been launched to promote all the health programs at Roane State.

3. Chemical Engineering Technology, AAS – Summative Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2019	12	50	417%	2019-20	0	3	*
Fall 2020	27	66	244%	2020-21	11	18	164%
Fall 2021	30	74	247%	2021-22	13	19	146%

* Attainment rate not calculable: Students graduated, though none were projected.

The Chemical Engineering Technology, AAS surpassed enrollment and graduation projections in the third year of post-approval monitoring. As a result, the program has successfully completed post-approval monitoring and will be monitored via Quality Assurance Funding moving forward.

4. Medical Laboratory Technology, AAS – Standard Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2021	12	4	33%	2021-22	0	0	--
Fall 2022	11			2022-23	11		
Fall 2023	12			2023-24	11		

The Medical Laboratory Technology, AAS program was not able to obtain all required permissions to begin the program until April 2021. After approval, recruitment began for the initial student cohort, which did not meet enrollment projections. Enrollment looks stronger for fall 2022 with 10 students who have already been admitted and recruitment is ongoing.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Allied Health Science	AAS	2015	7	Yes	No
2. Funeral Services Education	AAS	2019	3	Yes	No
3. Fine Arts	AAS	2019	3	No	No
4. Aviation Operations Technology	AAS	2022	Implementation	--	--

Academic Program Summaries

1. Allied Health Science, AAS – Productivity Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2015	20	10	50%	2015-16	10	0	0%
Fall 2016	40	121	303%	2016-17	28	0	0%
Fall 2017	55	207	376%	2017-18	35	1	3%
Fall 2018	210	185	88%	2018-19	25	1	4%
Fall 2019	210	110	52%	2019-20	25	3	12%
Fall 2020	115	200	174%	2020-21	20	3	15%
Fall 2021	120	133	111%	2021-22	20	2	10%
Fall 2022	125			2022-23	20		

The Allied Health Science, AAS met its enrollment goal but not its graduation projection in the seventh year of post-approval monitoring. The program has come to serve as a starting point for students who are interested in a health career but undecided about a specific direction for their studies. The result is that students frequently move to one of the allied health programs after taking a few courses in this program. The program has created a strategic plan mapping workforce health training to this degree program to better align the degree with industry needs. The goal is to help industry partners upskill their current workforce by enrolling them in the Allied Health Science, AAS.

2. Funeral Services Education, AAS – Standard Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2019	25	37	148%	2019-20	0	0	--
Fall 2020	27	54	200%	2020-21	18	5	28%
Fall 2021	30	39	130%	2021-22	20	4	20%

The Funeral Services Education, AAS surpassed its enrollment projections but did not meet its graduation projections in the third year of post-approval monitoring. Challenges helping students navigate the reduced clinical placement opportunities stemming from COVID restrictions in 2020-21 led to students leaving the program rather than completing the program. In fall 2021 the program

implemented a cohort model providing a structured course sequence to promote student program completion. The program has also been adjusted to allow students to sit for licensing exams in phases, rather than all at one time. The Funeral Services Education, AAS will be placed in productivity monitoring for three years as the program works to meet its projections.

3. Fine Arts, AFA – Summative Report

Enrollment				Graduation			
Year	**Projected**	**Actual**	**Attainment**	**Year**	**Projected**	**Actual**	**Attainment**
Fall 2019	15	0	0%	2019-20	0	0	--
Fall 2020	22	4	18%	2020-21	5	0	0%
Fall 2021	30	8	27%	2021-22	10	0	0%

The Fine Arts, AFA program did not meet its enrollment projections in the third year of post-approval monitoring, and no students have completed the program yet, putting it well behind graduation projections. To address lackluster enrollment and completion rates, fine arts facilities that need improvements have been identified; a persistent recruitment plan has been developed; and dual enrollment opportunities are being explored. The program also plans to resume on-campus performances and productions. The Fine Arts, AFA will be placed in productivity monitoring for three years.

4. Aviation Operations Technology, AAS – Implementation Report

The Aviation Operations Technology, AAS is ready for launch in fall 2022. The program received final approval from SACSCOC in January 2022 and three program courses were offered in spring 2022. Three adjunct faculty members have been hired and a replacement program coordinator has been identified. A comprehensive marketing plan and recruitment plan is in development.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Professional Music	AAS	2018	4	No	No
2. Nursing	AAS	2019	3	Yes	No
3. Medical Assisting	AAS	2020	Terminated	--	--

-- Not applicable.

Academic Program Summaries

1. Professional Music, AAS – Productivity Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2018	35	6	17%	2018-19	0	0	--
Fall 2019	28	10	36%	2019-20	4	2	50%
Fall 2020	20	16	80%	2020-21	6	1	17%
Fall 2021	20	9	45%	2021-22	10	2	20%
Fall 2022	30			2022-23	12		
Fall 2023	35			2023-24	14		

The Professional Music, AAS did not meet its enrollment or graduation projections in the fourth year of post-approval monitoring. The dean of the division will be working with the program to complete the corrective actions identified in the 2020-21 PAM reporting cycle, including: marketing the program in area high schools; designing opportunities for co-curricular student engagement; and formalizing internships with industry partners. The college will also be evaluating the continued need for this program in the next academic year.

2. Nursing, AAS – Summative Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2019	48	21	44%	2019-20	0	0	--
Fall 2020	48	45	94%	2020-21	44	18	41%
Fall 2021	48	47	98%	2021-22	48	38	79%

The Nursing, AAS met 98 percent of its enrollment projections and 79 percent of its graduation projections in the third year of post-approval monitoring. The program has overcome the setbacks experienced early in the pandemic and has established a trajectory of success. Sixty students have been admitted to the program in summer 2022, further establishing program success. The Nursing, AAS has successfully completed post-approval monitoring and will be monitored via Quality Assurance Funding moving forward.

3. Medical Assisting, AAS - Terminated

Volunteer State terminated the Medical Assisting, AAS as of December 2021.

Programs in Post-Approval Monitoring

Program	Degree	Year Implemented	Year in PAM	Enrollment Benchmarks Attained	Graduation Benchmarks Attained
1. Paralegal Studies	Certificate	2020	2	Yes	Yes

Volunteer State Community College: Academic Program Summaries

1. Paralegal Studies, Certificate – Standard Report

Enrollment				Graduation			
Year	Projected	Actual	Attainment	Year	Projected	Actual	Attainment
Fall 2020	4	19	475%	2020-21	2	1	50%
Fall 2021	7	29	414%	2021-22	4	5	125%
Fall 2022	10			2022-23	7		

The Paralegal Studies certificate has exceeded its enrollment and graduation projections in the second year of post-approval monitoring. The program is a certificate embedded within the Paralegal Studies, AAS and uses existing resources, including faculty, advisors, and facilities.