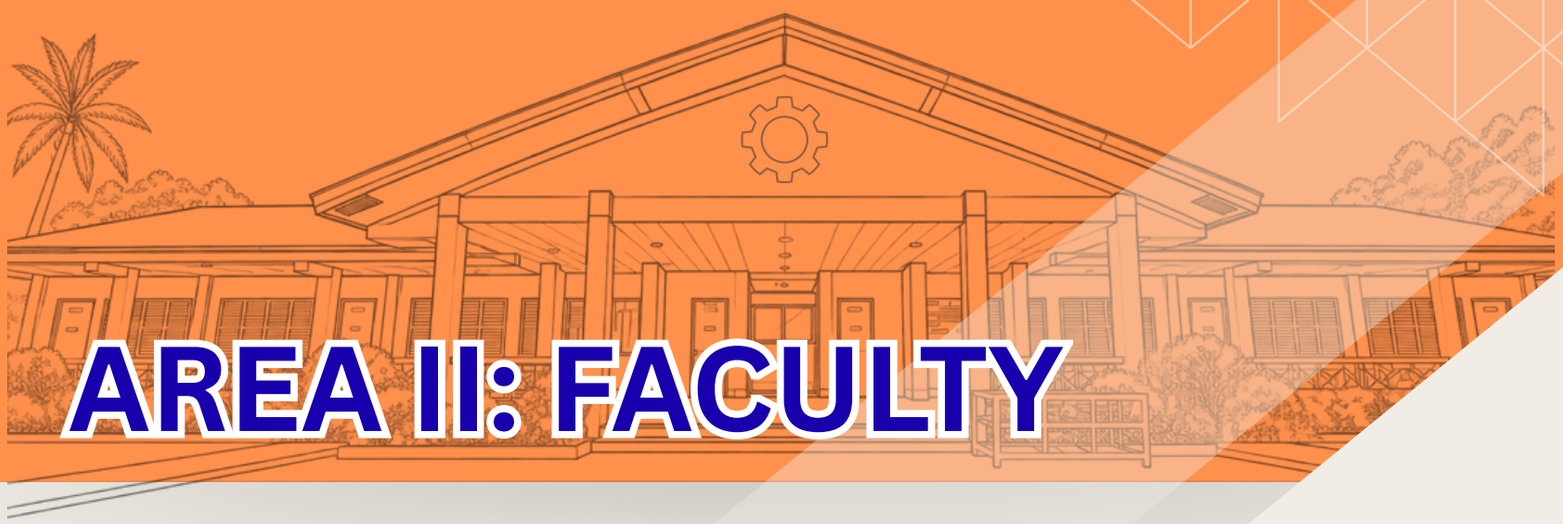
UNIVERSITY OF SOUTHERN MINDANAO
COLLEGE OF TRADES AND INDUSTRIES

AACCUP

LEVEL 1 SURVEY VISIT

BTVTED

BACHELOR OF
TECHNICAL - VOCATIONAL
TEACHER EDUCATION



AREA II: FACULTY

PARAMETER A:
ACADEMIC QUALIFICATIONS AND PROFESSIONAL EXPERIENCE

SYSTEM-INPUTS AND PROCESSES

S.4. At least 50% of the faculty are graduate degree holders

Republic of the Philippines
OFFICE OF THE PRESIDENT
COMMISSION ON HIGHER EDUCATION

Commission on Higher Education
OFFICIAL RELEASE
CHED Central Office
RECORDS SECTION
C.P. Garcia Ave., U.P. Diliman, Q.C.

CHED MEMORANDUM ORDER
No. 15
Series of 2019

SUBJECT: POLICIES, STANDARDS, AND GUIDELINES FOR GRADUATE PROGRAMS

In accordance with the pertinent provisions of Republic Act (RA) No.7722, otherwise known as the *"Higher Education Act of 1994,"* in pursuance of an outcomes-based quality assurance system, in alignment with the Philippine Qualifications Framework (PQF), and by virtue of Referendum No. R070- 2019 dated December 19, 2019, the Commission on Higher Education (CHED) hereby adopts and promulgates the following general policies, standards and guidelines (PSGs) for graduate programs.

ARTICLE I. INTRODUCTION

Section 1. Rationale for Upgrading Graduate Programs

The landscape and perspectives in offering graduate programs have dramatically changed in the past decades. These changes demand new or enhanced competencies among students to meet the requirements set by globalization, regional integration, internationalization of higher education, and the Fourth Industrial Revolution. Thus, students must be able to optimally use 21st century skills in their daily work and professions thereby strengthening the nation's innovation, research, and development.

The Philippine education system has been undergoing reforms such as the introduction of the K to 12 program in basic education, the implementation of a new General Education curriculum and adoption of outcomes-based education (OBE) as a teaching-learning framework in higher education, and the enactment of RA 10931 (Universal Access to Quality Tertiary Education Act). The signing of RA 10931 expanded access and equity to higher education as more students apply for, and will complete their degrees through government subsidy for tuition and miscellaneous fees and other education concerns.

Because of these government initiatives, it is therefore imperative that policies, standards, and guidelines (PSGs) for academic degree programs in higher education, including graduate programs, should therefore be made consistent or aligned with the reforms being instituted in the entire Philippine education system.

In 2013, the Commission on Higher Education (CHED) created the Task Force on Graduate Education Reform (TFGER) to review the state of graduate programs in the country. The TFGER proposed policy options and action agenda to rationalize graduate programs. A revised set of PSGs governing graduate program is then necessary to pursue the needed reforms which include the cultivation of a culture of research and innovation in graduate programs.

Among the major concerns in graduate programs is the wide gap in the availability of and access to quality graduate programs in various disciplines deemed critical in achieving national development in a globalized world. Some graduate programs, especially in the fields of teacher education, public administration, and business administration, are

Higher Education Development Center Building, C.P. Garcia Ave., UP Campus, Diliman, Quezon City, Philippines
Web Site: www.ched.gov.ph Tel. Nos. 441-1177, 385-4391, 441-1169, 441-1149, 441-1170, 441-1216, 392-5296, 441-1220
441-1228, 988-0002, 441-0750, 441-1254, 441-1235, 441-1255, 411-8910, 441-1171, 352-1871

A. General Requirements

1. As a general rule, master's degree in education or in an allied discipline is required for teaching in the tertiary level.
2. Faculty teaching general education and major subjects should have appropriate master's degree in the field they are assigned to teach.
3. Have at least one (1) year of very satisfactory teaching experience in any technical-vocational or technological institution.

B. Qualifications of the Professional Education Faculty

Faculty teaching Professional Education courses should have the following qualifications:

1. Holder of valid certificate of registration and Board of Licensure Examination for Professional Teachers (BLEPT) as provided for in Section 11 of RA 8981.
2. Holder of Master's degree in Education or in any allied fields.

C. Qualifications of Technology Instructors/Professors

1. Holder of at least Masters Degree in Technology Education or its equivalent.
2. Must be compliant with the training regulations of TESDA.

B. Full-time faculty members of the college

The institution shall maintain 25% of the faculty members teaching in the teacher education program as full-time.

E. Faculty Development

The College of Education must have a system to support faculty development anchored on their institution's faculty development program. It should require the faculty members to:

1. complete doctoral degrees in education and other allied fields;
2. attend continuing education seminars, workshops, conferences, and others;
3. undertake research activities related to the teacher education program and to publish their research outputs in refereed publications; and
4. give lectures and present papers in national/international conferences, symposia and seminars.

Section 7. Types of Graduate Programs

I. Master's Programs in the Sciences and in the Arts

Graduate Programs in the Sciences - Master of Science programs focus on specialized professional fields and are commonly applied in programs related to the natural sciences, engineering and mathematics sciences, and information technology. These programs have more units in the sciences and technology and have laboratory classes. Thesis is a requirement for graduation.

Graduate Programs in the Arts - Advanced degrees in the arts (Master of Arts) offer broader education or liberal arts education. These degrees are common in programs related to the social sciences, humanities, and communication. Graduation requirement may either be a thesis or creative work, which passed rigorous academic or jury review.

II. Master's Programs by Tracks

The Master's programs have two (2) major tracks. These are the thesis track and the non-thesis track. The thesis track is research intensive while the non-thesis track is often referred to as a professional or course-based master's program.[5]

A. Thesis Track (Master of Science/Master of Arts)

Under the thesis track is the **Master of Science/Master of Arts (MSc/MA) degree program. The MSc/MA** is a graduate academic degree program consisting of advanced studies in an academic discipline with the primary purpose of contributing to the generation, production and advancement of knowledge rather than specific applications to professional practice. Programs of this type are research-focused and serve as preparation for a doctoral research program. There are two (2) sub-tracks under this, namely the Academic Track and the Research Track:

1. Master of Science/Master of Arts (MSc/MA) Academic Track

This program has at least twenty-four (24) units of coursework and at least six (6) units of thesis. It requires students to pass a comprehensive examination and requires a thesis. As a final output, the students must have at least one (1) publication in refereed journal or juried creative work. Creative work is a tangible evidence of creative effort in a specific field of specialization, such as artwork, literature, music, paintings, dance, drama, productions, architecture, and games and apps. Due to the arbitrariness of creative work, it is impossible that two people would create the same work independently.[6]

2. Master of Science/Master of Arts (MSc/MA) by Research

This program has at least a total number of thirty-six (36) units wherein there is less coursework and more research activities. All units to be taken is by

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[5] "How to choose between a thesis and a non-thesis master's degree?" http://alghurairfoundation.org/en/content/how-choose-between-thesis-and-non0000-thesis-master%E2%80%99s-degree

[6] CHED 2019 Application Guidelines for the Granting of Autonomous and Deregulated Status to Private Higher Education Institutions, p. 9

research (no coursework). It requires students to pass a comprehensive examination. As a final output, students have at least one (1) publication, specifically, evidence of acceptance to a refereed journal or have a juried creative work outlet.

B. Non-Thesis Track (Master's Degree – Professional Track)

Under the non-thesis track is the **Master's degree (Professional Track).** It is a professional track at the master's level with the primary purpose of applying knowledge in professional practice. A Master's degree of this type is either terminal or geared towards preparation for a doctoral degree program with a professional track.

The professional master's degree program has at least thirty (30) units of coursework consisting of advanced studies in professional or vocational fields wherein at least three (3) units of which shall be labeled as a capstone course or practiced-based project.

This program requires students to pass a comprehensive examination and complete a capstone project.

A capstone project culminates the student's academic or learning experience. It provides the student an opportunity to exhibit the knowledge and skills obtained during the course of graduate study. It can be featured through a long-term investigative project that concludes in a final output, presentation, or performance. A typical form is when a student may be required to choose a topic or a problem that interests them, perform a research on these topics and generate a final output (for example, in the form of essay, case study, research paper, or a short film or multimedia presentation) indicative of the student's acquisition of learning. The student presents the capstone project to a panel or committee of experts for grading and evaluation.

Other Types of Master's Programs

Because the current employment environment has become more competitive locally and globally, having a master's degree or multiple expertise in a shorter time period may be needed by Filipino graduates thus may accelerate success in their chosen careers. The Commission therefore encourages qualified HEIs to offer the following combination programs, if taken individually might take a longer time period:

1. Straight Bachelor's-Master's (SBM) Program[7]

In the Straight Bachelor's-Master's (SBM) program, both the Bachelor's degree and Master's degree (thesis track) can be earned together.

The SBM program allows students to take specific graduate courses even before they finish their bachelor's degrees. The graduate courses taken can be counted towards both the bachelor's and master's degree thus giving students the opportunity to earn both degrees simultaneously in a shorter time span, however, only up to 20% of the required coursework may be common for both degrees.

[7] Benchmarked with the University of the Philippines

The SBM program shall be designed as an honors program and thus, the HEI must have strict admission and retention policies. Students must be enrolled full-time and dropping of courses/subjects is not allowed. Students who fail at least one (1) course/subject shall automatically be disqualified from the program and can only pursue the regular Bachelor's program.

The maximum number of years to complete the program is five (5) years. If students are not able to complete the program within the five-year period, the students automatically enter the regular Bachelor's degree program.

The students shall be required to do a Master's level thesis. Prior to doing the Master's thesis, they need to pass a comprehensive examination. The final output for graduation is at least one (1) publishable journal article, which means evidence of submission to a refereed journal or juried creative work outlet.

2. Dual Doctor of Medicine-Master's Degree (MDMD) Program

In the Dual Doctor of Medicine-Master's Degree (MDMD) program, students may be awarded both the Doctor of Medicine and a Master's degree. Only up to 20% of the required coursework maybe common for both degrees.

Similar to the SBM program, the MDMD program shall also be designed as an honors program and thus, the HEI must have strict admission and retention policies.

The maximum number of years to complete the program shall be determined by the HEI subject to approval of the Commission. If students are not able to complete the program within the prescribed period, they can pursue the regular program of only one of the two degrees.

Besides meeting the requirements for the Doctor of Medicine, the students are expected to pass a comprehensive examination for the Master's program. If the Master's program is under the thesis track, the student has to complete a thesis and has at least one (1) publishable journal article, which means evidence or submission to refereed journal or juried creative work outlet/or presentation to a conference. If the Master's program is a professional degree, the student has to complete a capstone project.

3. Dual Master's Degrees (DMD) Program[8]

The Dual Master's Degrees (DMD) program provides the opportunity for students to pursue graduate work in two fields of study and comply with the requirements of the two degrees simultaneously.

A common course work may be applied for the two master's degrees, but only up to 20% of the required coursework for both degrees may be credited. This overlapping or common course work reduces the time to complete both degrees if taken as regular programs.

Students must be enrolled full-time and dropping of courses/subjects is not allowed. Students who fail at least one (1) course/subject shall automatically

[8] Benchmarked with The University of Texas at Austin Graduate School, Florida State University, The University of Arizona, University at Albany-State University of New York, and Wright State University

be disqualified from the program, but they may enter the regular program of one of the Master's degrees being pursued.

The maximum number of years to complete the program shall be determined by the HEI subject to approval of the Commission. If students are not able to complete the program within the prescribed period, they can only continue with the regular program of one of the two Master's degrees.

For two (2) Master's degrees under the thesis track, the students shall be required to pass a comprehensive examination and complete a thesis covering both degree programs. The final output for graduation is at least one (1) publishable journal article, which means evidence of submission to a refereed journal or juried creative work outlet or presentation to a conference.

For one (1) Master's degree under the thesis track and one (1) Professional Master's degree, the students shall be required to pass the comprehensive examination covering both degree programs. They shall also complete a thesis covering both fields of study and have at least (1) publishable journal article, which means evidence of submission to a refereed journal or juried work outlet or presentation to a conference.

For two (2) Professional Master's degrees, the students shall be required to pass the comprehensive examination covering both degrees and complete a capstone project interconnecting the two programs.

III. Doctoral Programs

The doctoral programs have two (2) types, the Doctor of Philosophy and the Doctoral Degree (Professional Track).

A. Doctor of Philosophy

The **Doctor of Philosophy (PhD)** is a graduate program leading to a doctoral degree that focuses on research and prepares students for a life of scholarship in an academic discipline. A PhD student must show the capacity to make an original contribution in pushing the frontier of knowledge in a chosen field through dissertation, and to demonstrate ability to work independently as a student. Examples of this type of doctoral program are PhD in Education or PhD in Public Administration.

The PhD program has two (2) sub-tracks, namely the Academic Track and the Research Track.

1. Doctor of Philosophy (PhD) Academic Track

This program has at least twenty-four (24) units of coursework and at least twelve (12) units of dissertation.

There shall be a public defense of the dissertation. The HEI announces the schedule of the defense through posting in its HEI website/social media or sending email to its academic community.

Furthermore, students are required to pass a comprehensive examination. As a final output, the students must also have a publication, specifically evidence of acceptance to an internationally or nationally refereed and indexed journal or have a juried creative work outlet.

2. **Doctor of Philosophy (PhD) By Research**

This program has at least seventy-five per cent (75%) of the total units focused on research-dissertation work. The remaining units shall be allocated for courses on various research methods and advance courses that will contribute to the development and writing of the dissertation.

There shall be a public defense of the dissertation. The HEI announces the schedule of the defense through posting in its HEI website/social media or sending email to its academic community.

The total units shall be determined by the HEI. The HEI has to ensure that a student has a minimum residency of three (3) years on a full-time basis.

Furthermore, students are required to pass a comprehensive examination. As a final output, the students must also have a publication, specifically evidence of acceptance to an internationally or nationally indexed journal or juried creative work outlet.

B. Doctoral Degree – Professional Track

The **Doctoral Degree (Professional Track)** represents a mastery of the subject matter and techniques of a professional field to a stage of competence parallel to that required for the PhD. Although the work for the professional doctoral degree may extend the boundaries of knowledge in the field, it is directed primarily towards distinguished-practical performance. Examples of this type of doctoral program are Doctor of Education and Doctor of Public Administration.

Students admitted to the program will be prepared to train or supervise others in the field or to discover new knowledge that has practical applications as demonstrated in one's profession.

Admission to the program requires prospective students to have the relevant professional experience. Applicants must therefore demonstrate a substantial actual professional work experience. The CHED Technical Panels may specify the minimum number of years of professional experience needed for their respective disciplines otherwise HEIs may impose the minimum number.

The professional doctoral degree program has at least twenty-four (24) units of coursework and twelve (12) units of practiced-based dissertation.

The students are required to pass a comprehensive examination. As a final output, the students must also have completed a practice-based research. There shall be a public defense of the dissertation. The HEI announces the schedule of the defense through posting in its HEI website/social media or sending email to its academic community.

A practice-based research is an original investigation to gain new knowledge partly by means of practice and the outcomes of that practice. For a doctoral dissertation, claims of originality and contribution to gaining new knowledge

may be demonstrated through creative outcomes such as designs, music, digital media, performances and exhibitions.[9]

C. Other Types of Doctoral Degrees

1. Straight Master's-Doctoral (SMD) Program

In the Straight Master's-Doctoral (SMD) program, both the Master's and Doctoral degrees can be earned together. Only up to 20% of coursework maybe common for both programs.

The HEI must have strict admission and retention policies. Students must be enrolled full-time and dropping of courses is not allowed. Students who fail at least one (1) course/subject shall automatically be disqualified from the program. If students are not able to complete the program within the maximum time period determined by the HEI subject to the approval of the Commission, the students shall also be disqualified from the program. The HEI shall determine the appropriate exit plan for disqualified students.

The students shall be required to pass a comprehensive examination corresponding to both programs. For programs leading to a PhD, the students have to complete a dissertation that has been publicly defended and have at least one (1) publication, specifically, evidence of acceptance to an internationally or nationally refereed and indexed journal or have a juried creative work outlet. For programs leading to a professional doctoral degree, the students have to complete a practice-based research and dissertation that has been publicly defended.

2. Dual Doctoral Degrees (DDD) Program

The Dual Doctoral Degrees (DDD) program provides the opportunity for students to pursue doctoral degrees in two fields of study and comply with the requirements of the two degrees simultaneously.

A common course work may be applied for the two doctoral degrees, but only up to 20% of the required coursework for both degrees may be credited.

The HEI must have strict admission and retention policies. Students must be enrolled full-time and dropping of courses/subjects is not allowed. Students who fail at least one (1) course/subject shall automatically be disqualified from the program, but they may enter the regular program of one of the doctoral degrees being pursued. The HEI shall determine the appropriate exit plan for disqualified students

The maximum number of years to complete the program shall be determined by the HEI subject to the approval of the Commission. If students are not able to complete the program within the prescribed period, they can only continue with the regular program of one of the two doctoral degrees.

For two (2) PhDs, the students shall be required to pass a comprehensive examination and complete a dissertation covering both programs. The dissertation should be publicly defended. The final output shall be at least

[9] Candy, Linda, "Practice Based Research: A Guide."
(https://www.researchgate.net/publication/257944497_Practice_Based_Research_A_Guide)

one (1) publication, specifically evidence of acceptance to an internationally or nationally refereed and indexed journal or juried creative work outlet.

For two (2) professional doctoral degrees, the students shall be required to pass a comprehensive examination and complete a practice-based research and dissertation integrating topics under each program.

Section 8. Summary Matrix of Graduate Programs

The succeeding table summarizes the types of graduate programs and their corresponding admission requirement, required minimum number of units, major requirement and student outputs.

Types of Graduate Programs	Minimum Admission Requirement	Number of Units	Major Requirement and Student Output
A. MASTER'S PROGRAMS			
1. **Master of Arts Academic Track**	Bachelor's Degree	• With at least 24 units of coursework at least 6 units of Thesis	• Passing the Comprehensive Examination • Thesis • At least one (1) publication in refereed journal or juried creative work
2. **Master of Arts By Research**	Bachelor's Degree	• With at least thirty-six (36) coursework-units wherein there is less coursework and more research activities. • All units to be taken is by research (no coursework)	• Passing the Comprehensive Examination • At least one (1) publication in refereed journal or juried creative work outlet
3. **Master of Science (MSc) Academic Track**	Bachelor's Degree	• With at least 24 units of coursework and at least 6 units of Thesis	• Passing the Comprehensive Examination • Thesis • At least one (1) publication, in refereed journal or juried creative work outlet
4. **Master of Science (MSc) By Research**	Bachelor's Degree	• With at least thirty-six (36) coursework-units wherein there is less coursework and more research activities.	• Passing the Comprehensive Examination • At least one (1) publication in refereed journal or juried creative work outlet

Types of Graduate Programs	Minimum Admission Requirement	Number of Units	Major Requirement and Student Output
		• All units to be taken is by research (no coursework)	
5. **Master's Degree (Professional Track)**	Bachelor's Degree	• With at least 30 units of coursework, at least 3 units of Capstone or practice-based project	• Capstone project • Passing the Comprehensive Examination
6. **Straight Bachelor's-Master's (SBM) Program**	Exceptional performance in secondary education	• Maximum of five (5) years of study period. • Maximum of 20% of common coursework	• Comprehensive examination • Master's thesis • At least one (1) publishable journal article, which means evidence of submission to refereed journal or juried creative work outlet/or presentation to a conference
7. **Dual Doctor of Medicine-Master's Degree (MDMD) Program**	Bachelor's Degree	• Maximum number of units/years to be determined by HEI. • Maximum of 20% of common coursework	• Comprehensive examination • For Master's thesis track – thesis and at least one (1) publishable journal article, which means evidence of submission to refereed journal or juried creative work outlet/or presentation to a conference • For Professional Master's – capstone project
8. **Dual Master's Degrees (DMD) Program**	Bachelor's Degree	• Maximum number of units/years to be determined by HEI. • Maximum of 20% of common coursework.	• Comprehensive examination • For two Master's Thesis – one thesis and at least one (1) publishable journal article, which means evidence of submission to a refereed journal or juried creative work outlet or presentation to a conference • For Master's thesis and Professional Master's – one thesis and at least one (1) publishable journal article, which means evidence of submission to a refereed journal or juried creative work outlet /or presentation to a conference • For two Professional Master's – one capstone project

Types of Graduate Programs	Minimum Admission Requirement	Number of Units	Major Requirement and Student Output
B. DOCTORAL PROGRAMS			
1. Doctor of Philosophy (PhD) Academic Track	Master's Degree	• With at least 24 units of coursework and at least 12 units of dissertation	• Passing of Comprehensive Examination • Publicly defended dissertation (Theory-building) • Publication in an internationally/ nationally indexed journal or juried creative work outlet.
2. Doctor of Philosophy (PhD) By Research	• Master's Degree • Demonstrated research aptitude, research experience and skills, and a body of past and/or ongoing research work and publications and/or capsule research proposal	• With at least seventy-five per cent (75%) of the total units focused on research-dissertation work • All units to be taken is by research (no course work) • The total units shall be determined by the HEI. • Students are required to have a minimum residency of 3 years on a full-time basis	• Comprehensive Examination • Publicly defended dissertation (Theory-building) • Publication in an internationally/ nationally indexed journal or juried creative work outlet.
3. Doctoral Degree (Professional Track)	• Master's Degree • 5 years of professional work experience related to the degree being applied for	• With at least 24 units of coursework and at least 12 units of practice-based dissertation	• Passing of Comprehensive examination • Publicly-defended practice-based dissertation • Practice-based research
4. Straight Master's-Doctoral (SMD) Program	As determined by the HEI	• Maximum number of units/years to be determined by HEI. • Maximum of 20% of common coursework.	• Comprehensive examination • Leading to PhD – publicly-defended dissertation and a publication, specifically, evidence of acceptance to an internationally/nationally refereed and indexed journal or juried creative work outlet. • Leading to a Professional Doctoral degree – practice-based research; and publicly-defended practice-based dissertation

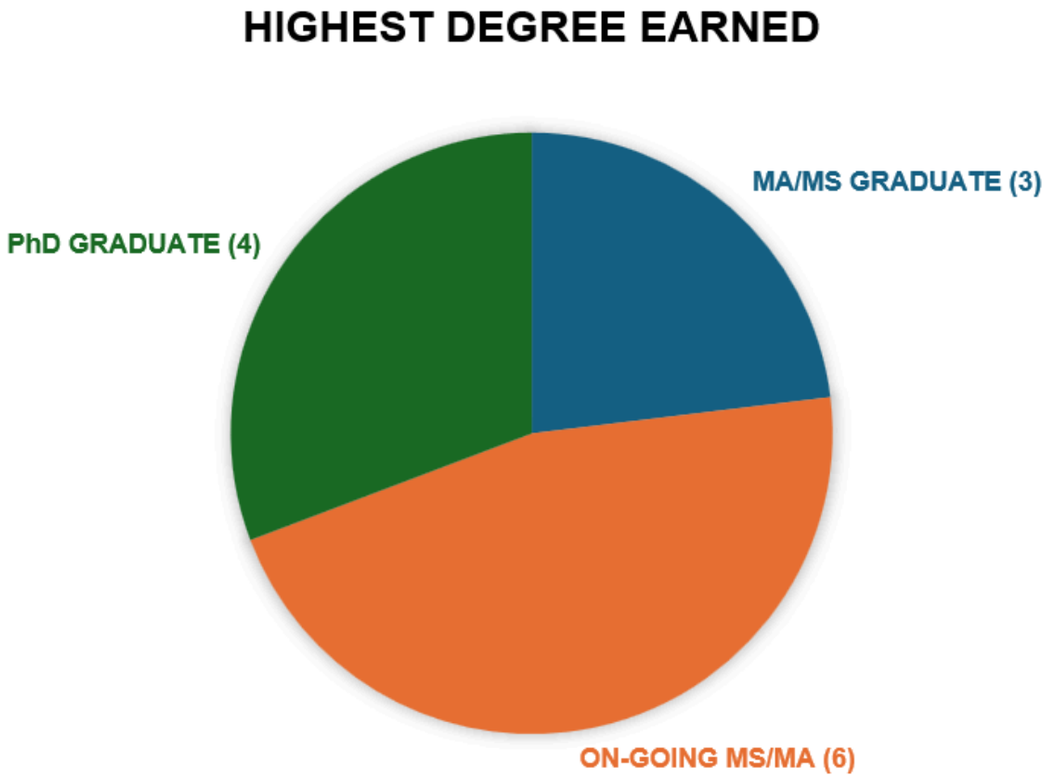


Figure 1. TED Faculty Educational Attainment Status

The graph presents the educational attainment status of the faculty. The Technology Education Department (TED) consists of fourteen (14) faculty members. 6 pursuing an ongoing master's degree, followed by 3 who have completed a master's degree. Meanwhile, 4 faculty members hold a doctoral degree.