

**Master of Science in Precision Medicine
(MS PCM)
New Program Application**

- Program Identification
 - a. Program title: Precision Medicine
 - b. Degree type: Master of Science
 - c. Home department or unit: Precision Medicine, School of Health and Human Services, College of Graduate and Professional Studies
 - d. Program developer(s) and credentials: Russell Kruzelock, Ph.D. in Molecular Genetics
 - e. Where program will be offered and delivery method: ACU Dallas, Online
 - f. Proposed date of implementation: Spring 1, 2022
- Program Details
 - a. Program description.

The Master of Science in Precision Medicine, a fully online program, provides instruction in theory, techniques, and analytical processes for the development of targeted therapies through genetics/genomics, immunohistochemistry, and histopathobiology as applied through the field of precision medicine.
 - b. Program mission statement.

The mission of the Master of Science in Precision Medicine is to provide students with both theory and skills in applying the latest molecular diagnostic techniques and analytics procedures to assist in the planning and implementation of precise treatment protocols for patients confronting serious illness, as well as a foundation for effective laboratory management.
 - c. Program outcomes.
 - i. Students will learn the theory and practice supporting techniques and skills necessary in a clinical precision medicine laboratory performing molecular tests and evaluating analytical test results.
 - ii. Students will learn to critically evaluate the research literature, identify an important problem in precision medicine, and plan/conduct research to address research problems.
 - iii. Students will learn the essentials leading to the practice of the highest levels of laboratory safety, professional conduct, and ethical principles.

d. Description of target audience.

The M.S. in Precision Medicine is designed for medical professionals, clinical researchers, and healthcare administrators seeking additional scientific and operations expertise applicable to the evolving clinical advances in precision medicine. Students will be drawn from individuals working in administration and research fields, as well as individuals who seek to enter this emerging field -- all of whom would benefit from the convenience of a fully online program. A distinct part of the target audience will be employees from CARIS Life Sciences who desire to earn a credential for promotion in the precision medicine field.

e. Admission requirements.

- i. Application and processing fee.
- ii. An undergraduate GPA of 3.0 and no work experience OR an undergraduate GPA between 2.5-2.99 with quality full-time work experience. The program director will evaluate applications on a case-by-case basis.
- iii. Purpose statement addressing career goals.
- iv. Resume or CV.
- v. The course prerequisite for admission is MATO 377 Statistical Methods I, which also may be satisfied by participation in a statistics bootcamp.
- vi. International applicants will be required to provide TOEFL scores (if applicable) and transcript assessment for degrees completed outside of the United States.

f. Projected total enrollment for each of the first five years.

- i. Year 1: 30
- ii. Year 2: 35
- iii. Year 3: 40
- iv. Year 4: 50
- v. Year 5: 60

- g. CIP code. 51.1005. Clinical Laboratory Science / Medical Technology / Technologist: A program that prepares individuals to conduct and supervise complex medical tests, clinical trials, and research experiments; manage clinical laboratories; and consult with physicians and clinical researchers on diagnoses, disease causation and spread, and research outcomes. Includes instruction in the theory and practice of hematology, clinical chemistry, microbiology, immunology, immunohematology, physiological relationships to test results, laboratory procedures and quality assurance controls, test and research design and implementation, analytic techniques, laboratory management, data

development and reporting, medical informatics, and professional standards and regulations.

- Rationale and Need for Program

- a. Mission fit.

The mission of ACU is “to educate students for Christian service and leadership throughout the world.” The M.S. in Precision Medicine will be part of the University’s expanding programs in healthcare and healthcare-related fields. As healthcare and allied health issues create additional opportunities for service, ACU is enlarging its vision to serve through developments in research and teaching. In addition, the opportunity to partner with a recognized commercial venture in precision medicine opens the door to ACU preparing leaders in this emerging scientific field.

Specifically, the M.S. in Precision Medicine will prepare medical professionals, clinical researchers, and healthcare administrators for the unique challenges and opportunities precipitated by new technology applications in the healthcare industry.

- b. Societal need.

Cancer diagnosis and treatment have advanced dramatically over the years, especially in the realm of precision medicine and genetic research. Precision medicine is opening the door to a new era in healthcare through revolutionizing the way cancer is treated based on a person’s genetics. According to a recent report, the global cancer profiling market is expected to witness strong growth, registering 17.7% in its compound annual growth rate (CAGR) during the forecast period 2017-2026.¹ In addition, data from the American Cancer Society suggests there will be an “estimated 1.9 million new cancer cases diagnosed and 608,570 cancer deaths in the United States” in 2021 alone.² Further, precision medicine and the emerging treatments it provides have broad application in addressing other chronic disease systems. Educational institutions must collaborate with healthcare providers and industry leaders to address the societal needs related to cancer and other diseases. As a fully online program, the M.S. in Precision Medicine provides students the opportunity to gain knowledge and skills in this

¹ See Global Cancer Profiling Market to Grow at 17.7% CAGR During 2017-2026 | Roche Holdings, Caris Life Sciences, GenScript *retrieved from* <https://ksusentinel.com/2021/04/08/global-cancer-profiling-market-to-grow-at-17-7-cagr-during-2017-2026-roche-holdings-caris-life-sciences-genscript/>

² See Cancer Facts and Figures 2021 *retrieved from* <https://www.cancer.org/research/cancer-facts-statistics/all-cancer-facts-figures/cancer-facts-figures-2021.html>

rapidly-evolving field while continuing in their current professions.

c. Employment demand and career possibilities.

- i. Identify jobs that graduates would be qualified to pursue.: Occupations include the following titles...³
 - Clinical Laboratory Technologists and Technicians
 - Histotechnologist and Technician
 - Pharmacology Laboratory Technicians
 - Natural Science Research Manager
- ii. According to the Burning Glass Database of Job postings and projections for the position of Laboratory Technologist, there is an annual average demand of 38,910 with a projected growth of 11.6% over the next 10 years. This source also reports that the demand for the skill of “molecular biology” within that profession will increase by 3.6% over the next two years. Postings in the state of Texas requiring a Master’s Degree and the skill of Molecular Medicine are presently at 200; Tennessee is the only state with more positions available at 235.⁴
- iii. The CIP code Laboratory Technologist is 51.1005. The SOC code for that profession is 29-2011. The median salary for Laboratory Technologist with the skill of Molecular Medicine is \$53,000 per year. The Texas Workforce Commission does not report the average salary for the specific SOC of 29-2011, but their report for the more general SOC of 29-2010 is \$52,721.⁵

d. Prospective student interest.

The M.S. in Precision Medicine will draw new students to the university, including career professionals and students recently graduating from bachelor’s degree programs. Healthcare leaders and professionals, including clinical researchers, medical technologists, doctors, nurses, nurse practitioners, pharmacists, and genetic counselors could benefit from this degree. In addition, those with specific industry knowledge in the areas of primary care, oncology, radiation therapy, hematology, surgery, clinical research, policy, and many others would benefit from the knowledge gained in this degree.

e. Disciplinary benchmarking.

Only 12 institutions in the United States offer a similar program. Seven of those institutions have greater than zero-percent market-share: University of Maryland, Baltimore; University of Georgia; George Washington University; University of

³ Fields associated with CIP code in Burning Glass Database

⁴ Source: <https://bit.ly/2ROT5hJ>

⁵ Source: <https://texaswages.com/WDAWages>

Arizona; University of Southern California; Case Western Reserve University; Indiana University-Purdue University-Indianapolis. The two Texas schools (UTHSCSA and Baylor) have conferred no degrees in 2015-19, and have zero percent of the market-share. University of Maryland, Baltimore, has the largest percentage of market share at 44.44%. George Washington University has the largest share of the market among private institutions at 11.11%.⁶

- Curriculum

- a. Degree plan

Coursework

PCM 601 - Histopathology and Molecular Biology of Cancer, 3 hours
 PCM 605 - Molecular Targets in Precision Medicine, 3 hours
 PCM 611 - Essential Clinical Laboratory Operations/Management Skills, 3 hours
 PCM 622 - Applied Next Generation Sequencing (NGS) and Analysis, 3 hours
 PCM 626 - Applied Medical Genetics/Pharmacogenomics, 3 hours
 PCM 633 - Regulatory and Operational Compliance, 3 hours
 PCM 637 - Advanced Strategies in Clinical Biomarker Development/Use, 3 hours
 PCM 641 - Introduction to Machine Learning and Artificial Intelligence, 3 hours
 PCM 644 - Clinical Research Designs / Statistics / Data Analytics, 3 hours
 PCM 652 - The Immune System and its Role in Precision Medicine, 3 hours

Total: 30 Hours

Research Application

PCM 671 Research Application 1, 1 hour
 PCM 672 Research Application 2, 1 hour
 PCM 673 Research Application 3, 1 hour
 PCM 674 Research Application 4, 1 hour
 PCM 675 Research Application 5, 1 hour

Total: 5 Hours

Total Major: 35 Hours

- b. Courses.

Course	Req'd or Menu	Aligned POs (i) =	Rotation and Frequency	Faculty Credentialed to
--------	---------------	-------------------	------------------------	-------------------------

⁶ Source: <https://bit.ly/3boHwVy>

		Introduced (r) = Reinforced (m) = Mastered		Teach
PCM 601	Required	1 (i) , 2 (i)	Every other session, three times per year. First term offered: Spring 1, 2022	Hassan Ghani, MD; Russell Kruzelock, Ph.D.
PCM 605	Required	1 (r) ,2 (r)	Every other session, three times per year. First term offered: Spring 2, 2022	Rebecca Feldman, Ph.D. ; Russell Kruzelock, Ph.D.
PCM 611	Required	1(r), 3(i)	Every other session, three times per year. First term offered: Spring 1, 2022	Russell Kruzelock, Ph.D.; Rebecca Feldman, Ph.D., TBD
PCM 622	Required	1(r), 2(r)	Every other session, three times per year. First term offered: Spring 2, 2022	Russell Kruzelock, Ph.D.; Rebecca Feldman, Ph.D., TBD
PCM 626	Required	1(r), 2(r)	Every other session, three times per year. First term offered: Summer 1, 2022	Russell Kruzelock, Ph.D.; Rebecca Feldman, Ph.D., TBD
PCM 633	Required	1(r),3(r)	Every other session, three times per year. First term offered: Summer 2, 2022	Russell Kruzelock, Ph.D.; Rebecca Feldman, Ph.D., TBD
PCM 637	Required	2(r),3(r)	Every other session, three times per year. First term offered: Fall 1, 2022	Russell Kruzelock, Ph.D.; Rebecca Feldman, Ph.D., TBD
PCM 641	Required	2(r),3(r)	Every other session, three times per year. First term offered: Fall 2, 2022	Russell Kruzelock, Ph.D.; Rebecca Feldman, Ph.D., TBD
PCM 644	Required	1(m), 2(m), 3(m)	Every other session, three times per year. First term offered: Spring 1, 2023	Russell Kruzelock, Ph.D.; Rebecca Feldman, Ph.D., TBD
PCM 652	Required	1(m),2(m)	Every other session, three times per year. First term offered: Spring 2, 2023	Russell Kruzelock, Ph.D.; Rebecca Feldman, Ph.D., TBD
PCM 671	Required	1(i), 2(i), 3(i)	Every other session, three times per year. First term offered: Summer, 2, 2022	Russell Kruzelock, Ph.D.; Rebecca Feldman, Ph.D., TBD
PCM 672	Required	1(r), 2(r), 3(r)	Every other session, three times per year. First term offered: Fall 1, 2022	Russell Kruzelock, Ph.D.; Rebecca Feldman, Ph.D., TBD
PCM 673	Required	1(r), 2(r), 3(r)	Every other session, three times	Russell Kruzelock, Ph.D.; Rebecca

			per year. First term offered: Fall 2, 2022	Feldman, Ph.D., TBD
PCM 674	Required	1(m), 2(m), 3(m)	Every other session, three times per year. First term offered: Spring 1, 2023	Russell Kruzelock, Ph.D.; Rebecca Feldman, Ph.D., TBD
PCM 675	Required	1(m), 2(m), 3(m)	Every other session, three times per year. First term offered: Spring 2, 2023	Russell Kruzelock, Ph.D.; Rebecca Feldman, Ph.D., TBD

c. New courses.

i. **PCM 601 - Histopathology and Molecular Biology of Cancer**

This course introduces fundamental cancer theory and image analysis techniques in cancer histopathology. Students will explore topics in slide preparation and changes in tumorion cell morphology as it relates to image interpretation. An introduction to the application of digital image processing techniques for feature extraction and disease classification is provided. (This course will also be used in the Graduate Certificate in Precision Medicine Administration.)

ii. **PCM 605 - Molecular Targets in Precision Medicine**

The identification of drug targets for disease is central to pharmaceutical research. This course provides students a historical understanding of key targets of drug development by reviewing one of the most important aspects of drug discovery – the identification of drug targets for precision medicine. (This course will also be used in the Graduate Certificate in Precision Medicine Administration.)

iii. **PCM 611 - Essential Clinical Laboratory Operations / Management Skills**

Training in genetics laboratory operations and management is an essential component in a laboratory leader's professional's toolkit. This program covers the best practices in many areas of laboratory management and reporting, including financial considerations in sustainable laboratory operations, accreditation and quality control issues, HIPAA, ethics in molecular pathology, effective communication strategies, and how to manage and report bioinformatics results.

iv. **PCM 622 - Applied Next Generation Sequencing (NGS) and Analysis**

Since the completion of the Human Genome Project, next generation sequencing (NGS) has become the leading technology platform driving

advances in Precision Medicine. This course provides fundamental training in the most advanced NGS platforms, methods and their applications to healthcare practice and medical research.

- v. **PCM 626 - Applied Medical Genetics / Pharmacogenomics**
This course presents fundamental concepts, laboratory techniques and skills employed in the rapidly growing field of applied medical genetics. With an emphasis in cancer genetics, this class explores how patient genetic data are used to better diagnose diseases, assess risk and select optimal treatment strategies based on an individual's genetic profile.
- vi. **PCM 633 - Regulatory and Operational Compliance**
Diagnostic laboratories are subject to unique regulatory and payment guidelines. This course explores key clinical laboratory practices needed to demonstrate knowledge, intent and processes that comply with important safety and legal regulations. Also discussed will be practices to help remain current with ongoing changes in relevant laws and regulations.
- vii. **PCM 637 - Advanced Strategies in Clinical Biomarker Development / Use**
Biomarkers are used to objectively measure and evaluate biological processes, or responses to a therapeutic intervention. This course explores how to identify, verify and validate biomarkers in molecular medicine and explores nine ways that precision medicine can benefit patients and the healthcare system.
- viii. **PCM 641 - Introduction to Machine Learning and Artificial Intelligence**
This course provides an introductory explanation of data analysis techniques including machine learning, data mining, and statistical analysis used to generate clinically useful molecular information for clinicians to make diagnostic, prognostic and/or therapeutic decisions.
- ix. **PCM 644 - Clinical Research Designs / Statistics / Data Analytics**
This course examines key research design principles pertinent to health care, clinical laboratory operations and drug development. Students will learn classical and adaptive clinical trial study designs, common statistical methods and quality assurance techniques used to interpret clinical data and platforms used to analyze online clinical data sets.
- x. **PCM 652 - The Immune System and its Role in Precision Medicine**
Due to the important role immunology plays in infectious disease, autoimmune disorders, chronic disease, cancer and more, major

pharmaceutical research focuses on precision medicine strategies that target the immune system. This course provides an advanced study of clinical immunology including physiology of the immune system, the immune response to infection and disease, pathophysiology of infectious disease and current diagnostic and immune targeted strategies used in drug development and disease treatment.

xi. PCM 671 - Research Application 1

Students will be paired with research mentors who are working in existing data sets to identify a research problem and propose an analysis.

xii. PCM 672 - Research Application 2

Students will work with a research mentor to conduct a literature review and description of the data deployed in the specific research project.

xiii. PCM 673 - Research Application 3

Students will work with a research mentor to analyse the dataset according to the research proposal.

xiv. PCM 674 - Research Application 4

Student will work with a research mentor to compile and write a research report, which will be graded by the faculty of record.

xv. PCM 675 - Research Application 5

Student will work with a research mentor to create an asynchronous research presentation, which will be graded by a panel of three faculty members.

Based on the course offering plan, the deadlines below will ensure that each course is reviewed by the CGPS Academic Council in the term prior to its first offering in order to allow sufficient time to build the course. The courses should be presented to the academic council by the following dates:

- PCM 601, June 2021
- PCM 605, July 2021
- PCM 611, October 2021
- PCM 622, October 2021
- PCM 626, February 2022
- PCM 633, February 2022
- PCM 671, February 2022
- PCM 637, June 2022
- PCM 641, June 2022
- PCM 672, June 2022

- PCM 673, June 2022
 - PCM 644, October 2022
 - PCM 652, October 2022
 - PCM 674, October 2022
 - PCM 675, October 2022
- Assessment Plan
 - a. Curriculum map: See table above. (i) are courses where an outcome is introduced. (r) are courses where outcomes are reinforced, and (m) are courses where students will master the outcome.
 - b. Outcome assessment measures.
 - i. PO 1: Students will learn the theory and practice supporting techniques and skills necessary in a clinical precision medicine laboratory performing molecular tests and evaluating analytical test results.
 - Summative assignment in PCM 644:
 - a. Competency target: 75% of students will earn a B or higher.
 - b. Ideal target: 75% of students will earn an A.
 - c. Person responsible for measuring the outcome: Program Director for Precision Medicine.
 - d. Timeline: Measurement will occur at the end of each time the course is offered.
 - Research Report in PCM 674:
 - a. Competency target: 80% of students will demonstrate competency; 75% of students will earn a B or higher.
 - b. Ideal target: 90% of students will demonstrate competency; 75% of students will earn an A.
 - c. Person responsible for measuring the outcome: Program Director for Precision Medicine.
 - d. Timeline: Measurement will occur at the end of each time the course is offered.
 - ii. PO 2: Students will learn to critically evaluate the research literature, identify an important problem in precision medicine, and plan/conduct research to address research problems.
 - Summative assignment in PCM 652:
 - a. Competency target: 75% of students will earn a B or higher.
 - b. Ideal target: 75% of students will earn an A.
 - c. Person responsible for measuring the outcome: Program Director for Precision Medicine.
 - d. Timeline: Measurement will occur at the end of each time the course is offered.
 - Research Presentation in PCM 675:

- a. Competency target: 75% of students will earn a B or higher.
 - b. Ideal target: 75% of students will earn an A.
 - c. Person responsible for measuring the outcome: Program Director for Precision Medicine.
 - d. Timeline: Measurement will occur at the end of each academic year.
 - iii. PO 3: Students will learn the essentials leading to the practice of the highest levels of laboratory safety, professional conduct, and ethical principles.
 - Reflective ethics assignment in PCM 652:
 - a. Competency target: 75% of students will earn a B or higher.
 - b. Ideal target: 75% of students will earn an A.
 - c. Person responsible for measuring the outcome: Program Director for Precision Medicine.
 - d. Timeline: Measurement will occur at the end of each academic year.
 - Research Presentation in PCM 675:
 - a. Competency target: 75% of students will earn a B or higher.
 - b. Ideal target: 75% of students will earn an A.
 - c. Person responsible for measuring the outcome: Program Director for Precision Medicine.
 - d. Timeline: Measurement will occur at the end of each academic year.
 - c. Description of assessment cycle:
 - i. POs 1, 2, and 3 will assessed annually starting in 2023
- Supporting Documentation (attached)
 - a. Approval Chart for Curriculum Changes:
 - b. Memo of support from the department chair of each department outside the home department that will provide a course for the program.: (Not Applicable)
 - c. Letters of review:
 - i. Assistant provost for institutional effectiveness and SACSCOC liaison for substantive change review.:
 - ii. Dean of the library for library resources review.:
 - iii. Dean of the college of the program for a statement of commitment to the items in Required Institutional Support.:
 - iv. Assistant provost for curriculum and assessment for review of the program outcomes, curriculum map, and assessment plan and evaluation of compliance with academic policies.:

ABILENE CHRISTIAN UNIVERSITY
LIBRARY

M E M O R A N D U M

DATE: June 11,2021
TO: Dr. Joey Cope
FROM: Mark McCallon, Library Associate Dean for Library Information Services
RE: New Program Application for Master of Science in Precision Medicine

Thank you for the opportunity to review the new program application for the proposed Master of Science in Precision Medicine.

The Brown Library can provide a provisional endorsement of the new program with the agreement that the Library will have the opportunity to review and comment on each course as it is adapted or created for the online modality. This review will be made as part of instructional design process prior to the presentation of these courses to the CGPS Academic Council, whether for approval or as an information item or added to the course schedule.bulletin.

memo

To: Rusty Kruzelock, Program Director and Vice President for Research
From: Jessica Smith, Associate Provost for Curriculum and Assessment
Date: June 18, 2021
Re: New Program Application — Precision Medicine M.S.;
New Certificate Application — Precision Medicine, graduate

The proposals for the master's degree and graduate certificate in precision medicine carry forward the trajectory begun by the recent introduction of the precision medicine administration track of the healthcare administration program. The two new online programs under consideration capitalize on the new expertise that you have brought to the university and the encouragement and partnership of CARIS Life Sciences.

These programs will prepare students to work in the lab settings where they will conduct patient diagnostics and developing and researching treatments and interventions for patients with cancer and other chronic diseases. The career preparation that it offers students has a strong university mission fit.

The program will introduce 15 new courses. All will need to be approved by your academic council before they will be available for a functioning degree audit for your program. They may be introduced beginning at any time and each have the latest deadline for submission in the proposal, so in any case, all courses in this degree plan will be submitted by October 2022.

The course offerings are mapped out well, and the specificity of assessment plan should allow you to continually improve the program. The master's offers the opportunity for individual research by students, which is appropriate at the post-graduate level and provides the opportunity for students to customize their focus based on their interests. The curriculum for the certificate maps well with the master's degree so that students who complete the certificate have the option to continue or come back later for the additional credential of a graduate degree if they desire. The picture of the need for institutional commitment is clear.

Thank you for your work toward this addition to our curriculum.

MEMORANDUM

TO: Academic Council
College of Graduate and Professional Studies

FROM: Nannette W. Glenn, Ph.D., Dean

DATE: June 9, 2021

RE: Required Institutional Support
MS in Precision Medicine

I have examined the items detailed in the application as required institutional support for the creation, implementation, and maintenance of the new program, MS in Precision Medicine. I hereby acknowledge the obligations of this initiative and commit to providing the institutional support, as set forth.

Nannette W. Glenn, Ph.D.

M E M O R A N D U M

TO: CGPS Council
FROM: Chris Riley, Assoc. Provost for IE / SACSCOC Liaison
DATE: June 18, 2021
RE: Masters and Graduate Certificate in Precision Medicine

I have reviewed the above applications as well as applicable SACSCOC Substantive Change Policies and Procedure. Because over both of these new programs consist of 50% or more new content that is not currently offered by ACU at these instructional levels, these programs constitute a substantive change requiring a full prospectus, due July 1, and approval by SACSCOC's Executive Council prior to implementation.

ACU Dallas Approval Chart for Curriculum Changes

A = Approve I = Information Item R = Advise & Respond

Course Number:

or Degree Plan(s): M.S. in Precision Medicine

		Program	Dean	College Academic	Provost	President
	Change to a Course					
1.	Title (description unchanged)	A	A	I	I	I
2.	Description (not affecting content)	A	A	I	I	I
3.	Course term(s)	A	A	I	I	I
4.	Content (substantive change)	A	A	A	A	I
5.	Number of credit hours	A	A	A	A	I
6.	Course number within the hundred	A	A	I	I	I
7.	Course number beyond the hundred	A	A	A	A	I
8.	Prerequisites	A	A	A	A	I
9.	Course fee(s)	A	A	--	A	I
10.	From U to G <i>or</i> G to U	A	A	A	A	I
11.	Cross list with another program or department	A	A	A	A	I
12.	Program/department of record	A	A	A	A	I
13.	Open or close a course	A	A	A	A	I
14.	New course (application required)	A	A	A	A	I

		Program	Dean	College Academic	Provost	President	Board of Trustees
	Change to a Degree Plan						
1.	Major/Program — Revision	A	A	A	A	A	--
2.	Major/Program — Adopt or change admission requirements	A	A	A	A	A	--
3.	Major/Program — Add	A	A	A	A	A	--
4.	Major/Program — Offer existing university program on campus	--	A	A	A	A	--
5.	Major/Program — Discontinue (proposed by Program or College)	A	A	A	A	A	I
6.	Major/Program — Discontinue (proposed by Provost)	R	R	A	A	A	I
7.	GPA — Revise major/program or cumulative requirement	A	A	A	A	A	--
8.	Minor — Revise course selection	A	A	I	I	I	--
9.	Minor — Add	A	A	A	A	A	--
10.	Minor — Discontinue (proposed by Program or College)	A	A	A	A	A	--
11.	Minor — Discontinue (proposed by Provost)	R	R	A	A	A	--
12.	Degree — Add	A	A	A	A	A	I
13.	Degree — Discontinue (proposed by Program or College)	A	A	A	A	A	I
14.	Degree — Discontinue (proposed by Provost)	R	R	A	A	A	I

		Program	Dean	College Academic	UGEC	UUAC	Provost	Faculty	President
	Change to Undergraduate University Requirements								
15.	University Requirements — Change in approved course content	A	A	A	A	A	A	--	A
16.	University Requirements — Add or drop a required course from the University Requirements chart	A	A	A	A	A	A	A	A
17.	University Requirements — Add or drop a course from a menu within the University Requirements chart	A	--	--	A	A	A	--	A
18.	University Requirements — Change hours within a menu on the University Requirements chart	A	A	A	A	A	A	A	A
	Change to Catalog Information For Campus								
1.	General requirements for graduation including course requirements that are common to all majors for all degrees	--	--	A	--	--	A	--	A
2.	Admission requirements	--	--	A	--	--	A	--	A
3.	Policies governing academic probation and suspension	--	--	A	--	--	A	--	A
4.	Requirements for graduating with honors	--	--	A	--	--	A	--	A

Program Director/Department Chair

Dr. Russell Kruzelock

Date

Signature

Date

Dean(s)

Dr. Nannette Glenn

Date

Signature

Date

College Academic Council

Dr. Nannette Glenn

Date

Chair's signature

Date

University General Education Council

Chair's signature

Date

Undergraduate Academic Council

Chair's signature

Date

Provost

Dr. Robert Rhodes

Date

Faculty

Faculty Senate Chair's signature

Date

President

Dr. Phil Schubert

Date