



USF TAMPA

New Accelerated Major

Accelerated Programs allow academically qualified students to complete an undergraduate Bachelor's degree and a graduate master's degree, or a Bachelor's to a Professional Doctorate, on an accelerated timeline, graduating sooner than in traditional programs.

Development Process:

- Review the Accelerated Program Guidelines and then contact the Undergraduate Studies office or Graduate School for consultation
- Complete this form and create the Catalog Copy and submit through internal college processes for approval
- Submit to Undergraduate Council for review and approval (Contact: Undergraduate Studies lorenej@usf.edu)
- Submit to Graduate School for Graduate Council approval (Contact: Office of Graduate Studies at cdh@usf.edu)

There is a Temporary Suspension of Curriculum Processing in place except for the following situations. Select the one(s) that apply:

- Curricular revisions required for USF consolidation, including common cores for all curricular offerings within a degree program
- Course revisions to align pre- and/or co-requisites
- New course proposals for replacement of Special Topics Courses
- Changes required by a specialized accreditor and/or a governing body
- Documented need to meet workforce demands that cannot be satisfied by a USF institution
- Other unanticipated exceptions to be approved by the USF System Academic Program Advisory Committee (APAC) (Attach approval)

APPROVALS FOR ACCELERATED MAJOR:

College EN ___ Bachelors _BSBE _____ (BA/BS, etc.) in ___ Biomedical Engineering _____

College EN ___ Master's _MSBE _____ (MA, MSEE, etc.) in ___ Biomedical Engineering _____

	Name (Printed)	Signature	Action	Date
Initiating Faculty	Clara Ohannes/Ariella Wolf		Email: cohannes@usf.edu ; ariellawolf@usf.edu	
Department Chair	Dr. Robert Frisina		<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Disapprove	
COLLEGE REVIEWS AND APPROVALS FOR BACHELOR'S PROGRAM				
School Committee Chair or other required approval (if applicable)			<input type="checkbox"/> Approve <input type="checkbox"/> Disapprove	
College Committee Chair			<input type="checkbox"/> Approve <input type="checkbox"/> Disapprove	
College Dean/designee	Dr. Jose Zayas-Castro		<input type="checkbox"/> Approve <input type="checkbox"/> Disapprove	
COLLEGE REVIEWS AND APPROVALS FOR MASTER'S PROGRAM (If in the same college as the Bachelor's, this can be noted as "same")				
School Committee Chair or other required approval (if applicable)			<input type="checkbox"/> Approve <input type="checkbox"/> Disapprove	
College Committee Chair			<input type="checkbox"/> Approve <input type="checkbox"/> Disapprove	
College Dean/designee	Dr. Jose Zayas-Castro		<input type="checkbox"/> Approve <input type="checkbox"/> Disapprove	
USF Health Majors: Sr. Assoc Dean			<input type="checkbox"/> Approve <input type="checkbox"/> Disapprove	
Undergraduate Council (UGC) Chair/designee			<input type="checkbox"/> Approve <input type="checkbox"/> Disapprove	
Undergraduate Studies Dean/designee			<input type="checkbox"/> Approve <input type="checkbox"/> Disapprove	
Graduate Council (GC) Chair/designee			<input type="checkbox"/> Approve <input type="checkbox"/> Disapprove	

Graduate School Dean/designee	Dr. Ruth Bahr	<input type="checkbox"/> Approve <input type="checkbox"/> Disapprove									
RO, Admissions		Notified on _____									
ACCELERATED MAJOR INFORMATION	UNDERGRADUATE	GRADUATE									
Degree Designator <i>(e.g. B.A., B.S., M.A., M.S., M.U.R.P., etc.)</i>	B.S.B.E.	M.S.B.E.									
Major <i>(e.g. Biology, Math, etc.)</i>	Biomedical Engineering	Biomedical Engineering									
CIP Codes and CIP titles	14.0501	14.0501									
College(s)	Engineering	Engineering									
Department(s) (if applicable)	Medical Engineering	Medical Engineering									
Total Minimum Hours for each Major:	126	30									
Total hours shared (up to 12)	6	6									
Total hours of combined majors after sharing (must be at least 150 after sharing)	150	150									
Proposed Effective Date for first admissions	Spring 2020										
Program Description Briefly describe the program – do not list requirements)	Accelerated program for students in biomedical engineering to be able to complete Master's in 5 years										
GPA Requirements if > 3.33 overall and 3.5 in the major Programs must establish a minimum undergraduate GPA requirement of at least 3.33 overall and a minimum GPA requirement of 3.50 in the major, having taken a minimum of 15 hours in the undergraduate major, for students to be admitted to an accelerated program. Note what your Program requirements will be (may be more restrictive, but not less than what's noted above)	Minimum GPA requirements: Overall GPA <input checked="" type="checkbox"/> 3.33 <input type="checkbox"/> Other: _____ Major GPA <input checked="" type="checkbox"/> 3.50 <input type="checkbox"/> Other: _____										
Students must have a minimum of a "B" (3.00) in each graduate course. Consequences for not obtaining at least a "B" in each graduate course must be noted in the Departmental Accelerated Program requirements. Note what the Program's policy will be for students who earn less than a "B" in a graduate course (University Policy allows for courses with "C" or higher count toward graduate degree requirements, with an overall and program GPA requirement of 3.00)	What is the Policy for students who earn less than a "B" in a graduate course: The new accelerated program will allow 1 grade below a B (B-, C+, C) in 1 of the double counted courses. The student must still maintain a 3.0 GPA to remain in good standing in the BME Masters Program.										
List the undergraduate courses that will be replaced by graduate courses. Up to twelve (12) hours of graduate credit may be shared between the graduate and undergraduate degree. List the undergraduate courses that will be replaced by graduate courses. Example: BIO 2100, satisfied by BIO 6245 BIO 2200, satisfied by BIO 6600	List of shared courses: <table border="0"> <tr> <td><u>Undergrad course</u></td> <td><u>replaced by</u></td> <td><u>Graduate Course</u></td> </tr> <tr> <td>BME Elective I (3)</td> <td></td> <td>GMS 6605</td> </tr> <tr> <td>BME Elective II (3)</td> <td></td> <td>PHC 6051</td> </tr> </table>		<u>Undergrad course</u>	<u>replaced by</u>	<u>Graduate Course</u>	BME Elective I (3)		GMS 6605	BME Elective II (3)		PHC 6051
<u>Undergrad course</u>	<u>replaced by</u>	<u>Graduate Course</u>									
BME Elective I (3)		GMS 6605									
BME Elective II (3)		PHC 6051									

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CATALOG COPY – attach the current Undergrad and Grad Catalog copy for each major, with the shared courses highlighted

(CIP = 14.0501) (EBI)
Total Degree Hours: 126

<http://www.usf.edu/engineering/undergraduate/majors.aspx>

Effective date: Spring 2019

Mission Statement

The mission of the USF Department of Medical Engineering is to advance excellence in biomedical engineering education through a joint venture between the Morsani College of Medicine and the College of Engineering by conducting innovative translational research, developing impactful cutting-edge technologies, and preparing highly talented students for success as multidisciplinary global leaders across the fields of engineering, healthcare, and biomedical sciences.

Program Educational Objectives and Student Outcomes

The graduates from the Department of Medical Engineering undergraduate biomedical engineering major are expected to achieve the following educational objectives:

1. To develop into successful, ethical biomedical engineers, healthcare professionals, or other related practitioners guided by an interdisciplinary curriculum, extracurricular activities and targeted internship experiences
2. To continue to pursue and expand their technical and professional knowledge and skills through academic and industrial training and lifelong learning
3. To contribute to the local, national and global communities using experiences and skills acquired through their biomedical engineering education at the University of South Florida (USF).

ABET Student Learning Outcomes

The graduates of the B.S. degree program in Biomedical Engineering at USF will demonstrate that they have:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Furthermore, the structure of the curriculum provide both breadth and depth across the range of engineering and science topics consistent with the program educational objectives and student outcomes. The curriculum prepares graduates with experience in:

- (a) Applying principles of engineering, biology, human physiology, chemistry, calculus-based physics, mathematics (through differential equations) and statistics;
- (b) Solving bio/biomedical engineering problems, including those associated with the interaction between living and non-living systems;
- (c) Analyzing, modeling, designing, and realizing bio/biomedical engineering devices, systems, components, or processes; and
- (d) Making measurements on and interpreting data from living systems.

Departmental Policies

In addition to the College's graduation requirements, the department has the following policies:

1. Mandatory academic advising of students for each term.
2. Exit interviews as a graduation requirement.

GPA and Grade Requirement

Unless otherwise stated, the minimum acceptable grade in BSBE required math, science, engineering and specialization courses is a C or higher (C- is insufficient). Students must have and maintain a minimum 2.0 Math and Science GPA, 2.0 Engineering GPA, 2.0 Specialization GPA, 2.0 USF GPA, and 2.0 Overall GPA.

Entrance Requirements

College of Engineering students who have fully met the below admission requirements and are in good academic standing, may declare a major in Biomedical Engineering. Prior to being admitted to a department, a student may be permitted to take no more than two departmental engineering courses. Once admitted, the department may have continuation requirements which specify minimum performance standards in core engineering courses which must be met before further registration in the department is granted.

Minimum Transfer Admission Requirements

1. Completion of:
 - o Calculus I (MAC 2311 or MAC 2281) and Calculus II (MAC 2312 or MAC 2282) and Calculus III (MAC 2313 or MAC 2283)
 - o Differential Equations (MAP 2302 or EGN 3433)
 - o Calculus-based Physics I with Lab (PHY 2048 and PHY 2048L)
 - o Calculus-based Physics II with Lab (PHY 2049 and PHY 2049L)
 - o General Chemistry I with Lab (CHM 2045 and CHM 2045L)
 - o General Chemistry II with Lab (CHM 2046 and CHM 2046L)
 - o Organic Chemistry I with (CHM 2210 and CHM 2210L)

Note: A minimum grade of C in each course and a 3.5 GPA (based on best attempt) in these courses. No more than two attempts allowed for the prerequisite courses.

2. A minimum overall GPA of 2.0.
3. A minimum USF GPA of 2.0.

Limited Access

This major has additional admissions requirements as listed in this section.

The Biomedical Engineering major is limited access due to the following reasons: 1) limited space, equipment and other instructional facilities, including required laboratories; and 2) the program is of such a nature that in order to demonstrate potential for success in the program, applicants must attain a grade point average noted below.

First-Year Students:

Incoming first-year students may be directly invited into the Biomedical Engineering Major program if they are first admitted to the University of South Florida and meet the following criteria:

- Minimum SAT Math 710 or ACT Math 30
- Minimum High School Weighted GPA of 4.0 (as determined by USF Undergraduate Admissions)

First-year students who do not meet the above criteria may elect Pre-Biomedical Engineering (Pre-BME) as their major and work towards admission to the upper-division major, following the requirements listed below.

Sophomores:

Current USF students may elect Pre-Biomedical Engineering (Pre-BME) as their major and then must meet the following minimum requirements to be considered for admission to the upper-division program.

- Minimum cumulative 3.5 GPA for the prerequisite courses, as listed below (best attempt);*
- Minimum grade of C in each prerequisite course listed below;
- No more than two attempts allowed for the prerequisite courses listed below (withdrawals included);
- Completion of the first three semesters of the BME plan of study by the end of the third semester after matriculation to the University;
- Completed BME departmental online application.

*Only the best attempt in each prerequisite course as listed below, is considered for admission into the BME program.

During the fall semester of the sophomore year, pre-BME majors apply for admission to the upper-division BME major, which begins in the spring semester of the sophomore year.

Transfers:

Transfer students must meet the following minimum requirements to be considered for admission into the BME program.

- Minimum 2.0 cumulative (overall) GPA;
- Minimum cumulative 3.5 GPA in the prerequisite courses listed below;
- Minimum grade of C in each prerequisite course listed below;
- No more than two attempts allowed for the prerequisite courses listed below (withdrawals included);
- Completed BME departmental online application.

Applicants who do not meet the minimum admission requirements as stated above will not be eligible for admission into the BME program.

Transfer applications are referred to the department only after the USF Office of Admissions (including official transcripts) considers them complete. Applications are reviewed periodically and not on a rolling basis. The date of review

may vary depending on the number of applications received.

Transfer applicants coming from out-of-state or private Florida institutions will be considered on a space available basis only.

Prerequisite Courses for Admission to the Upper-Division Major

- Calculus I (MAC 2311 or MAC 2281)
- Calculus II (MAC 2312 or MAC 2282)
- Calculus III (MAC 2313 or MAC 2283)
- Differential Equations (MAP 2302 or EGN 3433)
- Calculus-based Physics I with Lab (PHY 2048 and PHY 2048L)
- Calculus-based Physics II with Lab (PHY 2049 and PHY 2049L)
- General Chemistry I with Lab (CHM 2045 and CHM 2045L)
- General Chemistry II with Lab (CHM 2046 and CHM 2046L)
- Organic Chemistry I with Lab (CHM 2210 and CHM 2210L)

State Mandated Common Course Prerequisites

Students wishing to transfer to USF should complete an A.A. degree at a Florida College System institution. Some courses required for the major may also meet General Education requirements thereby transferring maximum hours to the university.

If a student wishes to transfer without an A.A. degree and has fewer than 60 semester hours of acceptable credit, the student must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Transfer students are also required to comply with the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete the following prerequisite courses at the lower level prior to entering the university. If these courses are not taken at a Florida College System institution, they must be completed before the degree is granted.

Unless stated otherwise, a grade of C is the minimum acceptable grade in prerequisite courses.

Students qualify for direct entry to their intended department if they have completed the following courses at a Florida College System institution or University in the Florida State University System (SUS) and meet all other admissions requirements of the University and College.

The following are transferable courses from the Florida College System Institution that will be accepted in the Math/Science/Engineering areas:

Mathematics:

- (MAC X311 and MAC X312 and MAC X313) or (MAC X281 and MAC X282 and MAC X283)
- MAP X302

Natural Sciences:

- CHM X045C or (CHM X045 and CHM X045L) or (CHM X440 and CHM X440L) or (CHM X095 and CHM X095L)
- PHY X048C or [PHY X048 and (PHY X048L or PHY X064L)]
- PHY X049C or [PHY X049 and (PHY X049L or PHY X064L)]

- (CHM X046 and CHM X046L) or (CHM X096 and CHM X096L) or CHM X046C or CHM X096C
- BSC X010C or (BSC X010 and BSC X010L) or BSC X044L
- CHM X210C or (CHM X210 and CHM X210L)

Total Major Hours: 111

Major Core (98 hours)

Math and Science (40 credit hours)

- MAC 2281 - Engineering Calculus I Credit(s): 4
- or MAC 2311 - Calculus I Credit(s): 4
- MAC 2282 - Engineering Calculus II Credit(s): 4
- or MAC 2312 - Calculus II Credit(s): 4
- MAC 2283 - Engineering Calculus III Credit(s): 4
- or MAC 2313 - Calculus III Credit(s): 4
- MAP 2302 - Differential Equations Credit(s): 3
- BSC 2010 - Cellular Processes Credit(s): 3
- BSC 2010L - Cellular Processes Laboratory Credit(s): 1
- CHM 2045 - General Chemistry I Credit(s): 3
- CHM 2045L - General Chemistry I Laboratory Credit(s): 1
- CHM 2046 - General Chemistry II Credit(s): 3
- CHM 2046L - General Chemistry II Laboratory Credit(s): 1
- CHM 2210 - Organic Chemistry I Credit(s): 3
- CHM 2210L - Organic Chemistry Laboratory I Credit(s): 2
- PHY 2048 - General Physics I - Calculus Based Credit(s): 3
- PHY 2048L - General Physics I Laboratory Credit(s): 1
- PHY 2049 - General Physics II - Calculus Based Credit(s): 3
- PHY 2049L - General Physics II Laboratory Credit(s): 1

Basic Engineering (21 credit hours)

- EGN 3000 - Foundations of Engineering Credit(s): 0-3
- EGN 3000L - Foundations of Engineering Lab Credit(s): 3
- EGN 3343 - Thermodynamics I Credit(s): 3
- EGN 3311 - Statics Credit(s): 3
- EGN 3321 - Dynamics Credit(s): 3
- EGN 3365 - Materials Engineering I Credit(s): 3
- or EMA 4003 - Introduction to Materials Science Credit(s): 3
- EGN 3373 - Electrical Systems I Credit(s): 3
- EGN 3443 - Probability and Statistics for Engineers Credit(s): 3

Specialization (31 credit hours)

- BME 3032 - Biomedical Transport Process Credit(s): 3
- BME 3053 - Computer Programming for Biomedical Engineers Credit(s): 3
- BME 3082 - Ethics for Biomedical Engineers Credit(s): 3
- BME 3312 - Molecular and Cellular Engineering Credit(s): 3
- BME 4056C - Biomedical Engineering Lab I Credit(s): 2
- BME 4057C - Biomedical Engineering Lab II Credit(s): 2
- BME 4100 - Biomedical Engineering Credit(s): 3
- BME 4409 - Engineering Physiology Credit(s): 3
- BME 4503 - Biomedical Instrumentation Credit(s): 3
- BME 4508 - Biomedical Signals and Systems Analysis Credit(s): 3
- BME 4882 - Biomedical Engineering Design I Credit(s): 3

- BME 4883 - Biomedical Engineering Design II Credit(s): 3

Major BME or STEM Specialization Track Courses (13 credit hours)

Students will choose a focused set of courses in the BME Specialization track or a STEM Specialization track.

Technical Writing (3 credit hours)

- ENC 3246 - Communication for Engineers Credit(s): 3

Major Elective Information

Students will choose a focused set of courses in the BME Specialization track or a STEM Specialization track.

Major Elective Courses (13 Hours):

- *6 hours of BME Upper-Level Electives*
- 6 hours of STEM Upper-Level Electives (Students pursuing Medical School will take CHM 2211 Organic Chemistry II and CHM 2211L and Biodiversity BSC 2011 and BSC 2011L)
- 1 hour professional elective

BME Specialization Track Course Options:

- BME 4332 - Cell and Tissue Engineering Credit(s): 3
- BME 4440 - Introduction to Bioastronautics Credit(s): 3
- BME 4571 - Nanomedicine Credit(s): 3
- BME 5320 - Theory and Design of Bioprocesses Credit(s): 3
- or ECH 5740 - Theory and Design of Bioprocesses Credit(s): 3
- ECH 4264 - Transport Phenomena Credit(s): 4
- ECH 4504 - Kinetics and Reaction Engineering Credit(s): 3
- EEE 4260C - Bioelectricity Credit(s): 3
- EEE 4271 - Bioelectronics Credit(s): 3
- EEE 4274 - MEMS I: Chemical/Biomedical Sensors and Microfabrication Credit(s): 3
- EEE 4506 - Biomedical Image Processing Credit(s): 3
- EML 4575 - Principles of Fracture Mechanics Credit(s): 3

STEM Specialization Track Course Options:

- ATR 5319 - Rehabilitation Considerations for Children Credit(s): 3
- BSC 3022 - Biology of Aging Credit(s): 3
- BSC 4434 - Bioinformatics Credit(s): 3
- MCB 3020 - General Microbiology Credit(s): 3
- MCB 3410 - Cell Metabolism Credit(s): 3
- PCB 3023 - Cell Biology Credit(s): 3
- PCB 4234 - Principles of Immunology Credit(s): 3
- PCB 4843 - Principles of Neuroscience Credit(s): 3
- PHY 3220 - Classical Mechanics Credit(s): 4
- PHY 4424 - Optics Credit(s): 3
- ZOO 4753 - Human Histology & Molecular Pathology of Disease Credit(s): 3

Master's Major Requirements

Total Minimum Hours: 30 credit hours

Both the thesis and non-thesis options are available at the M.S. level.

Core Requirements

GMS 6605 (3) Basic Medical Anatomy

PHC 6051 (3) Biostatistics II

Additional Required Course

GMS 6440 (3) Basic Medical Physiology OR

BME 6410 (3) Engineering Physiology

BME 6000 (3) Biomedical Engineering I

BME 6931 (3) Biomedical Engineering II

Students may either opt for the General Track of the Concentration in Pharmacy, completing 15 hours as noted:

General Track Electives 15 hours

Students select from additional approved courses to complete the 30 hour requirement. A minimum of 16 hours must be at the 6000 level. In addition, all of the elective courses must consist of engineering-prefix courses, although the Thesis Committee (thesis option) or the BME Major Advisor (non-thesis option) may approve courses in relevant areas such as chemistry, physics, pharmacy, communications sciences & disorders, public health or medicine, in their place .

Concentration in Pharmacy (PRMY) 15 hours

Students may select from the following options, or other pharmacy courses, as approved by their Pharmacy and BME Advisors:

PHA 6140 (3) Introduction to Nanotechnology (Online)

PHA 6116(3) Micro-Nano Drug Delivery Systems (Online)

PHA 6118 (3) Nanomaterials and BioMEMS (Online)

PHA 6147 (3) Nanotechnology and Risk Management (Online)

PHA 6148 (3) Nanoformulations and nanopharmaceutics (Online)

PHA 6xxx (3) Selected Topics: Introduction to Personalized medicine (Online)

Thesis Option

Thesis option students can count up to six hours of thesis research towards the elective requirements.

Comprehensive Exam

Students in the non-thesis track will complete a comprehensive exam. For students in the thesis track, the thesis and oral defense serve as the comprehensive exam.

Accelerated B.S.B.E. in Biomedical Engineering/ M.S.B.E. in Biomedical Engineering

Description

This program intends for students to complete a Bachelor of Science in Biomedical Engineering and an M.S. in Biomedical Engineering over the span of five years. Completion of this program allows students to complete 6 credits toward the M.S. during the junior or senior year of their B.S. degree.

The B.S. requires a total of 126 hours and the M.S.B.E. requires 30 hours. By sharing six (6) credit hours, the total credit hours earned will be 150 hours.

Admission Requirements

For consideration of admission to the program a student must:

- Have completed a minimum of 12 credit hours of BME-prefix courses and ENC 3246 (or equivalent) upon applying;
- Have a minimum 3.33 GPA overall;
- Have a minimum undergraduate 3.5 GPA in the major;

- Have met with the Undergraduate Advisor and Graduate Director and/or Graduate Advisor to discuss a plan of study;
- Following completion of a minimum of 12 hours in the undergraduate major, students may be considered for acceptance into the accelerated program through faculty nomination or student self-nomination, via submission of an Accelerated Program Application Form. All applications require the approval of USF's Office of Graduate Studies, the College of Engineering's Graduate Major, and the Department of Medical Engineering.
 - To be promoted to graduate status, students must meet all admission requirements of the M.S.B.E. Biomedical Engineering.
 - Students must earn a minimum of a "B" (3.00) in all shared graduate courses. Failure to earn at least a "B" in a shared graduate course will result in academic review by the graduate Major. Failure to maintain good standing as a graduate student will result in academic probation, according to the procedures of the USF Office of Graduate Studies.
 - A comprehensive plan of study to complete the Accelerated B.S.B.E. Biomedical Engineering/M.S.B.E. Biomedical Engineering Major will be developed with the guidance of an advisor and a faculty member

Shared Courses (6 credit hours)

GMS 6605 Basic Medical Anatomy

PHC 6051 Biostatistics II

For the remaining Undergraduate Degree Requirements for the B.S. in Biomedical Engineering please see Undergraduate Catalog.

PROGRAM OF STUDY - Programs must complete a Program of Study, develop a plan for academic advising, and tracking of students, including notation of potential financial aid impact.

Proposed Accelerated Program of Study

- 1) A Biomedical Engineering Major would pursue the normal 8 semester sequence attached from the current USF Undergrad Catalog, but 2 of the BME Elective courses would be replaced with 2 BME Masters, 6000 level and up, courses which are double counted. Then, upon their BS graduation, they would complete the USF Accelerated Program Progression Form, and enter the BME Master's Program. They would have 8 graduate courses remaining, so they can finish their BME Masters in only 2 semesters or 1 calendar year (instead of the usual 3 semesters); and save tuition dollars on 2 graduate level courses.
- 2) Academic Advising: Once declaring an interest in the Accelerated Biomedical Engineering BSBE/MSBE Program, the student would have an undergrad Biomedical Engineering Advisor and a BME Program Advisor (currently the BME Program Director).
- 3) Tracking of Students: The Accelerated Student will meet with both the undergrad and graduate BME Advisors each semester to ensure successful completion of the Program requirements.
- 4) Possible Impact on Financial Aid: The regular undergrad financial aid is generally not affected. When the student is planning to graduate with the BS, the financial aid can be affected after that. When completing the Application Form for the Accelerated Biomedical Engineering/BME Program, the applicant will be required to take their entire course/semester plan to the USF Financial Aid office and discuss the financial aid implications with them in detail.

Thank you for considering our proposal.