SENATE PROGRAM PROPOSAL FORM fo	(Do not write in this space)					
CHECK ONE: ☐ Add, ☐ Change, ☐ Combine, ☐ Drop, ☒ Inactivate				ROUTING:	Initials	Date
CHECK ONE: Degree program, □ Minor, □ Certificate, □ Emphasis area				Academic Affairs	BAT	8/30/12
	Dr. Carl Bassi, x-6029	Date:	08/28/12	Graduate School (if applicable)	MEH	9/21/12
Department	Department Chair			Senate C & I	MTA	10/28/12
				Reported to Senate		
	Larry J. Davis, OD; x-5	606 Date:	08/28/12	Academic Affairs		
School or College	Dean				-	
Title of Degree, Minor, or Certificate Program: N						
Section and year 20072008 of most recent Bulletin.						
If other departments are affected by this proposa			or each departr	nent the following:		
Department	Contact Person	Phone #		1 · 1 - X	– 01 :	1
1.				al received: No major objecti		
2.				al received: No major objecti		
3.			Proposa	al received: No major objecti	ons, □ Obje	ections
Current <u>Bulletin</u> listing:	Propose	ed <u>Bulletin</u> li	sting:	Ratio	nale:	
Graduate Studies	Inactive			Loss of rate budget to	support	growth of
Vision Science				program		
Vision science is a multidisciplinary area						
concerned with the study of normal and						
anomalous vision. The goal of this progra	am					
is to train the next generation of						
researchers in clinical and basic vision						
science, to conduct research, and to						
educate faculty for schools and colleges of						
optometry. Students will be required to						
integrate basic skills in vision science wi	th					
focal studies in an area of research						
emphasis.						
This program will emphasize research						
aimed at new treatments and cures for						
vision disorders, as well as research in						
basic mechanisms of visual functions. The						
College of Optometry offers both an M.S.						
degree and a Ph.D. degree. Students may	<i>f</i>					
apply to the Graduate School for admissi						
to althor the MS ar the Dh D program						
to either the M.S. or the Ph.D. program.						
Admission Requirements						

background for graduate training in vision science and appropriate undergraduate courses for their anticipated research emphasis. Applicants must have a bachelor's degree from an accredited college or university within the United States or from an equivalent institution outside the United States. To be admitted as regular graduate students, applicants must have a grade point average of at least 3.0 in their overall undergraduate work, in their undergraduate major, and in any post baccalaureate academic work. Students must arrange for transcripts to be submitted from all postsecondary academic work and to have at least three letters of recommendation sent by faculty members at previously attended colleges and universities. Students must also submit GRE scores (verbal, quantitative, and analytic). Applicants to the M.S. program must have combined scores on the verbal and quantitative sections of at least 1000; applicants to the Ph.D. program must have combined scores of at least 1100. In addition, students from countries where English is not a primary language must submit TOEFL scores of 550 (paper based), 213 (computer based), or 80 (internet based) or better. All materials and scores must be submitted by March 1 if an applicant wishes to be considered for financial assistance for the Fall semester. Early applications are encouraged.

Master of Science in Vision Science

Degree Requirements

The M.S. degree requires 30 semester hours of course work, including the core courses. At least 24 of these hours will normally be taken from courses offered by the College

of Optometry, with no more than 10 of these in VisSci 6490, Graduate Research in Vision Science. Each M.S. student will be required to teach at least two semesters in areas determined by the Graduate Committee in Vision Science.

The core courses for this program are:
VisSci 6400, Sensory Processes and
Perception
VisSci 6401, Visual Optics
VisSci 6402, Ocular Anatomy and
Physiology
VisSci 6403, Psychophysical Methods and
Experimental Design
VisSci 6404, Sensory Neuroscience

Special Topics, Individual Studies, and Advanced Topics courses in Vision Science are also offered.

Each M.S. student must also complete a thesis based on research conducted during the program. The thesis must be approved by a committee of at least three members of the graduate faculty, at least two of whom must be from the graduate faculty in Vision Science.

Ph.D. in Vision Science

Degree Requirements

The doctoral degree requires 60 semester hours of course work, including the core courses. Each Ph.D. student will also be required to demonstrate proficiency in a foreign language, computer language, advanced statistical methods, or another acceptable tool skill. The tool skill and level of proficiency must be selected in advance in consultation with the Graduate Committee in Vision Science. Students will

be required to teach at least two semesters in areas determined by the Graduate Committee in Vision Science.

Written qualifying examinations will be offered each semester. Students must declare their intent to take the examinations at least one month prior to the beginning of that semester or summer session. Full time students must attempt qualifying examinations before beginning their third year of study. Students must declare their intent to take the examinations at least one month prior to the beginning of that semester or summer session.

The preparation of the dissertation will be supervised by a dissertation committee which will be appointed by the Graduate Dean upon the recommendation of the Director of Graduate Programs in the College of Optometry. Input from the student's advisor will be solicited by the Director prior to finalization of the recommendation by vote of the Graduate Faculty. An oral examination of the written dissertation proposal will be conducted by the Committee. A public oral defense of the completed written dissertation is also required.

The core courses for this program are:
VisSci 6400, Sensory Processes and
Perception
VisSci 6401, Visual Optics
VisSci 6402, Ocular Anatomy and
Physiology
VisSci 6403, Psychophysical Methods and
Experimental Design
VisSci 6404, Sensory Neuroscience
Special Topics, Individual Studies, and
Advanced Topics courses in Vision Science

are also offered.	

Revised: March, 2007