

DOCTOR OF PHILOSOPHY – MEDIA ARTS & TECHNOLOGY– 2023-24

In addition to departmental requirements, candidates for graduate degrees must fulfill University requirements described in the 'Graduate Education' section of the UCSB General Catalog.

Admitted to Ph.D. program without master's with master's degree in _____

Students entering directly into the Ph.D. program without a master's degree must first meet the equivalent course requirements of the MAT master's program, which is 48.0 units of non-thesis-related upper-division and graduate courses. In addition, they must successfully complete a master's thesis or project and present it publicly (please see the Master's degree requirement sheet).

Students who enter the Ph.D. program with a master's degree in another discipline (e.g., in Art, Computer Science, Engineering, or Music) are required to take all of the MAT core courses listed below (24 units total) (under exceptional circumstances students may place out of a core course by providing evidence of competency of the material). Core courses must be taken for a letter grade, receiving a B or better.

The MAT Ph.D. is not a unit count degree; rather, it is awarded upon demonstration of academic excellence and performance of original research. Time-to-Degree: 4 years to advance to candidacy, 7 years to complete the Ph.D.

CORE COURSE REQUIREMENT LEVEL 1 (all 16.0 units required)			
COURSE #	COURSE NAME	UNITS	Grade
MAT 200A	Art and Technology	4.0	
MAT 200B	Music and Technology	4.0	
MAT 200C	Digital Media Technology and Engineering	4.0	
MAT 595M	Seminar Series	1.0	
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MAT 595M	Seminar Series	1.0	
MAT 595M	Seminar Series	1.0	

CORE COURSE REQUIREMENT LEVEL 2 (8.0 units required)			
COURSE #	COURSE NAME	UNITS	Grade
MAT 201A	Media Signal Processing	4.0	
MAT 201B	Computing with Media Data	4.0	
MAT 237	Designing Expressive Technologies	4.0	
MAT 238	Computational Fabrication	4.0	
MAT 255	Concepts and Aesthetics of the Computational Image	4.0	
MAT 276IA	Direct Digital Synthesis: Processing and Composition	4.0	
MAT 276N	Special Topics in Electronic Music	4.0	
MAT 594H	Special Topics - Haptics	4.0	

CORE COURSE REQUIREMENT LEVEL 3 (4.0 units required)			
COURSE #	COURSE NAME	UNITS	Grade
MAT 236	Computational Systems for Visual Art and Design	4.0	
MAT 240 A-F	Digital Audio Programming	4.0	
MAT 258	Art and Science of Aerospace Culture	4.0	
MAT 259 AB	Projects in Visualizing Information	4.0	
MAT 261 ABCDE	Transvergence Series	4.0	
MAT 265	Open Projects in Optical/Motion - Computational Processes	4.0	
MAT 276L ABCD	Digital Audio Montage	4.0	
MAT 594P	Special Topics	4.0	

ELECTIVE COURSES			
COURSE #	COURSE NAME	UNITS	Grade

QUALIFYING EXAM	
Students must pass a thorough qualifying examination, after completing their coursework, typically at the end of their second year of the Ph.D. program. Passing the qualifying exam and the basic course requirements advances the student to candidacy. Once advanced to candidacy, students are typically expected to complete the degree within three years.	
Committee nomination date (Form 1)	
Committee chair/ co-chairs	
Committee member 1	
Committee member 2	
Proposed date	
Date passed: _____	

ADDITIONAL COURSES			
COURSE #	COURSE NAME	UNITS	Grade

Entered Quarter/Year: _____

DISSERTATION PROPOSAL PRESENTATION	
The committee must approve a dissertation proposal that describes the proposed research and presents a comprehensive plan for the dissertation.	
Dissertation Proposal Title	
Committee chair/ co-chairs	
Committee member 1	
Committee member 2	
Proposed presentation date	
Date proposal approved: _____	

DISSERTATION AND DEFENSE

The Ph.D. dissertation is a novel and substantial research work that makes a significant contribution to the field. The dissertation is done under the supervision of a MAT faculty advisor and the doctoral committee, consisting of three UC Academic Senate faculty, at least two of whom must be from MAT. After the dissertation is completed, the committee evaluates the dissertation and the candidate's presentation at the dissertation defense, the committee's approval indicates that the candidate has successfully defended the dissertation. The oral defense is required for completion of the Ph.D.

Dissertation Title	
Committee chair/ co-chairs	
Committee member 1	
Committee member 2	
Proposed defense date	
Date dissertation approved: _____	

RESEARCH ADVISOR SIGNATURE: _____

Print Name/ Date

GRADUATE ADVISOR SIGNATURE: _____

Print Name/ Date