Fiscal Unit/Academic Org	Art - D0215
Administering College/Academic Group	Arts and Sciences
Co-adminstering College/Academic Group	Arts and Sciences
Semester Conversion Designation	New Program/Plan
Proposed Program/Plan Name	Art: Engineering Structure
Type of Program/Plan	Undergraduate minor
Program/Plan Code Abbreviation	
Proposed Degree Title	

Credit Hour Explanation

Program credit hour requirements		A) Number of credit hours in current program (Quarter credit hours)	B) Calculated result for 2/3rds of current (Semester credit hours)	C) Number of credit hours required for proposed program (Semester credit hours)	D) Change in credit hours
Total minimum credit hours required for completion of program				12	
Required credit hours offered by the unit	Minimum			12	
	Maximum				
Required credit hours offered outside of the unit	Minimum				
	Maximum				
Required prerequisite credit hours not included above	Minimum				
	Maximum				

Program Learning Goals

Note: these are required for all undergraduate degree programs and majors now, and will be required for all graduate and professional degree programs in 2012. Nonetheless, all programs are encouraged to complete these now.

Program Learning Goals

- The Art: Engineering Structure minor in Art provides students with the opportunity to integrate creative and artistic studio practice with other academic or research pursuits.
- The coursework revolves around a choice of material making where clay, wood, metal, and glass are prominently featured.
- This minor in Art is designed to provide students with an interest in material exploration and making a way to frame and extend their interests and to develop process-based skills that will add breadth to their particular curricular studies.
- The Program Learning goals are:

  1. To offer immersive and experiential learning to students in other major program areas.
- 2. To provide an opportunity for students to develop skills and experience in hands-on making.
- 3. To allow students to draw upon ideas and knowledge from their particular curricular studies and apply it in a new way.
- 4. To create an opportunity for students with different disciplinary skill sets to work side by side.
- 5. To foster the development of creative thinking and problem solving.

Assessment

Assessment plan includes student learning goals, how those goals are evaluated, and how the information collected is used to improve student learning. An assessment plan is required for undergraduate majors and degrees. Graduate and professional degree programs are encouraged to complete this now, but will not be required to do so until 2012.

Is this a degree program (undergraduate, graduate, or professional) or major proposal? No

Program Specializations/Sub-Plans

If you do not specify a program specialization/sub-plan it will be assumed you are submitting this program for all program specializations/sub-plans.

Pre-Major

Does this Program have a Pre-Major? No

Attachments

- Art_EngineeringStructureMinor.pdf: New Minor Proposal with support letters

  (Program Proposal. Owner: Wendel,Sarah Ann)

Comments

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Wendel,Sarah Ann	11/16/2020 10:52 AM	Submitted for Approval
Approved	Rush,George Sherman	11/16/2020 01:48 PM	Unit Approval
Approved	Haddad,Deborah Moore	11/16/2020 03:03 PM	College Approval
Pending Approval	Jenkins,Mary Ellen Bigler Hanlin,Deborah Kay Oldroyd,Shelby Quinn Vankeerbergen,Bernadette Chantal	11/16/2020 03:03 PM	ASCCAO Approval

Department of Art
258 Hopkins Hall
128 North Oval Mall
Columbus, OH 43210-1363
Phone 614 292 5072
Fax 614 292 1674
art.osu.edu

THE OHIO STATE UNIVERSITY

Maria Miriti
Chair, Arts and Sciences Curriculum Committee
Associate Professor of Evolution, Ecology and Organismal Biology

November 10, 2020

Dear Maria,

The Department of Art has developed a proposal for a new minor: Art: Engineering Structure. This minor developed out of a series of conversations between Art and Engineering faculty about ways to bridge disciplinary gaps. Although this curriculum has been designed with Engineering students in mind, we believe that the proposed minor may have resonance to students in other disciplines as well. The coursework revolves around a choice of basic material making, with clay, wood, metal, and glass prominently featured. This minor in Art is designed to provide students with an interest in material exploration and making a way to frame and extend their interests.

The minor is 12 credits and has one required course, Three-Dimensional Art. For the remaining nine credits, students choose from a menu of courses in three areas within the Department of Art: Ceramics, Glass, and Sculpture.

Included in the proposal are letters of support and congruence from Professor Michael Mills, Chair of the Department of Materials Science and Engineering, Professor Blaine Lilly from Mechanical and Aerospace Engineering, and Dean David Tomasko. All three letters stress that they believe their students will benefit from working with materials and artists in a direct and hands on fashion. Dean Tomasko points out the cognitive connection between art and engineering, and notes that this is the first use of "Engineering" in a title outside the College of Engineering. The College of Engineering anticipates 25 to 40 students per year enrolling in the courses that the Department of Art is offering as part of the minor. The support in the letters is perhaps best summarized by Professor Mills who writes: *"…the inherent interdisciplinary nature of this program will foster the development of intellectually diverse and creative thinking, new ideas and broader collaborations amongst all involved. All of this clearly aligns with the OSU Discovery Themes Initiative."*

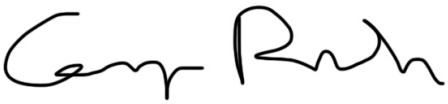
Last month, Art's Undergraduate Studies Committee had an excellent meeting with Dean Tomasko and the Art faculty that will be overseeing the minor. The ensuing conversation made it clear that the College of Engineering is excited to offer this program to its

students. Our faculty will visit select courses in Engineering, and Engineering will advertise the minor and its courses to its students. While this will take some consistent monitoring and administration, the faculty in the Ceramics, Glass, and Sculpture Areas have committed to making this minor an integral part of their curriculum. One outcome of this commitment has been the reassessment and refreshment of many courses. These course changes are part of the proposal being put forward, and they take into consideration not only the new minor but the changing educational climate and needs of our undergraduate population, and they correspond directly to newly adopted Department of Art Goals and Learning Outcomes. This is excellent timing, as we are moving into both a new General Education implementation and a series of phased changes within the structure and curriculum in the Department of Art.

All of the courses in the minor are being submitted for changes to title, prerequisites and 50 word course descriptors. These courses are: Art 2002, Art 2400, Art 3003, Art 3012, Art 3017, Art 4002, Art 4007, Art 4012, Art 4503. A detailed list of these requested changes is in the Art: Engineering Structure New Minor Information document under Course Descriptions (below).

In summary, the new minor Art: Engineering Structure is an interdisciplinary program targeted at students from the College of Engineering that allows students outside of the art major programs to have in depth and specific training and direct hands-on experience through the expertise and facilities of the Department of Art. I look forward to any questions or feedback the committee has to offer.

Sincerely,



George Rush
Associate Professor of Art
Chair, Undergraduate Studies Committee
Department of Art
The Ohio State University

Laura Lisbon
Professor and Chair, Department of Art
The Ohio State University

New Minor Proposal
Art: Engineering Structure

New Minor
Art: Engineering Structure
November 1, 2020

1. Required Information
Name: Art: Engineering Structure
Date: AU 21
Unit, College: Department of Art, College of Arts and Sciences

2. Rationale
Describe the rationale/purpose of the minor:

The Art: Engineering Structure minor in Art provides students with the opportunity to integrate creative and artistic studio practice with other academic or research pursuits. This minor developed out of a series of conversations between Art and Engineering faculty about ways to bridge disciplinary gaps. Although this curriculum has been designed with Engineering students in mind, we believe that the proposed minor may have resonance to students in other disciplines as well. The coursework revolves around a choice of basic material making with clay, wood, metal, and glass prominently featured. This minor in Art is designed to provide students with an interest in material exploration and making a way to frame and extend their interests. ART 2400: Three-Dimensional Art is the required course and gives students the foundation to develop process-based skills that will add breadth to their particular curricular studies.

- Describe how assessment data has served as an impetus for the proposal.

This proposal is in direct response to enrollment data generated by the College of Arts and Sciences. The data showed that the largest population of students enrolled in the Department of Art courses after Art majors are Engineering students followed by other students in the STEM fields (see appendix). Further discussion with faculty and students in ENGR programs showed a particular interest and possibilities for further collaborations.

- Identify any unique characteristics or resources that make it particularly appropriate for Ohio State to offer the proposed minor.

The Art: Engineering Structure Minor is a step by the Department of Art to offer immersive and experiential learning to students in other major program areas. The minor is designed to provide an opportunity for students with an interest in hands-on making to develop skills and experience that draws on ideas and knowledge from their particular curricular studies.

- Cite the benefits for students, the institution, and the region or state.

Students both inside and outside the Department of Art will benefit from this minor. The proposed minor focuses and leverages the skills and experiences of disciplinary expertise and creates an opportunity for students with different sorts of skill sets to work side by side. The

Department of Art sees this as a way of positioning itself within the institution, moving forward, as one that does not sit apart from the whole but serves as a link between and across majors. This is a minor will draw interest to other Colleges in the University as experiential making is increasingly seen as having great value in the development of creative thinking and problem solving. The Department of Art sees great potential in this minor as it opens a base for broader collaborations in the future.

3. Relationship to Other Programs / Benchmarking

Describe current major and minor programs in the department(s) and how they relate to the proposed minor.

The Department of Art currently offers a BA and BFA as undergraduate major programs, and a minor in studio art. Our current minor is a 15-credit course of study that allows for taking several courses across the seven areas in the department. The Engineering Structure minor will operate as directly relational to a student's major program, and asks students to bring expertise from their major programs of study. The skills are intentionally hand-intensive to develop new ways of iterative thinking. The proposed minor will offer its major students increased access to students and ideas from other disciplinary areas.

- Identify any overlaps with other programs or departments within the university. Append letters of concurrence or objection from related units.

This minor program does not duplicate an existing program. The Departments of Mechanical & Aerospace Engineering and Materials Science & Engineering were consulted in the development of this minor and are very appreciative of the opportunities it will provide to their students. The College of Engineering has concurred on behalf of all of their departments and the Knowlton School of Architecture (letter attached).

- Indicate whether this minor or a similar minor was submitted for approval previously. Explain at what stage and why that proposal was not approved or was withdrawn.

N/A

4. Student Enrollment

Indicate the number of students you anticipate will take this minor and what programs they may come from.

It is anticipated the minor will bring in 25-40 students / year, giving us a full complement of 100 – 160 students by its fourth year. These numbers were provided by David Tomasko, Associate Dean for Undergraduate Education & Student Services in the College of Engineering. The Department of Art has capacity in the courses identified. It is anticipated that the majority of the students will come from the STEM majors and the College of Engineering, in particular.

5. Curricular Requirements

Provide ASC minor advising sheet.
See attached

- List the courses (department, title, credit hours, description) which constitute the requirements and other components of the minor. If any courses have prerequisites, please indicate so. Indicate which courses are currently offered and which will be new, which ones will be changed, and which ones may need to be withdrawn. When those new courses, course changes, and course withdrawals are put in curriculum.osu.edu, we recommend you indicate that those course requests are submitted as part of a larger programmatic proposal. As much as possible, the curriculum committees will review the course requests in conjunction with the minor proposal.

No new courses are required for this minor. Several courses have updated titles, 50 word descriptors, and changes to prerequisites (see below under "Course Descriptions").

Required Course - 3 credit hours
Art 2400: 3 Dimensional Art

Choose from 3:
The ☆'s represent the first course in a sequence, for instance to take Art 4007 Topics in Experiential Making you would first need to take Art 2400: 3-Dimensional Art

Sculpture
☆Art 2400: 3-Dimensional Art
Art 3017 Introduction to Sculpture
Art 4007 Topics in Experiential Making : Wood
Art 4007 Topics in Experiential Making : Metal

Glass
Art 3003 Intro to Glass Art
Art 4503 Intermediate Glass Topics

You need one beginning class before an Intermediate offering.
☆Art 3002 Intro Ceramics: Structure
☆Art 3012 Intro Ceramics: Form and Surface
Art 4002 Intermediate Ceramics: Architectonic
Art 4012 Intermediate Ceramics: Utility

Course descriptions:
Several courses have updated titles, 50-word descriptors, and changes to prerequisites. Changes are noted in yellow and the version being replaced is noted in italics. These course change requests are being submitted concurrently with this minor proposal.

Art 2400: 3-Dimensional Art UG 3
Basic concepts of three-dimensional art focusing on structure with the organization of space and form, using a variety of materials, processes, tools.
Prereq: None
Level 1 CCP course, Advanced Placement Program

Changes from:
Art 2400: 3-Dimensional Art
Basic concepts of three-dimensional art dealing with the organization of space and form, using a variety of materials, processes, tools.
Prereq: 2000 (200) or 2100 (205). Not open to students with credit for 182 or 207. This course is available for EM credit.
Level 1 CCP course, Advanced Placement Program

ART 3017: Introduction to Sculpture UG 3
An introduction to the principles of sculpture, emphasizing basic forming processes and materials. Includes traditional and non-traditional sculpture making concepts, processes and materials through additive, subtractive, and assemblage sculpture making processes.
Prereq: ART 2400 or permission of Instructor

Changes from:
ART 3017: Introduction to Sculpture UG 3
Students will make sculpture with attention to form, processes, spatial and contextual effects and compositional organization following research. Students practice, appreciate and interpret sculpture as related to contemporary practice and as a basis for individual development.
Prereq: 2400, or permission of instructor. Not open to students with credit for 2507.

ART 4007 Sculpture: Topics in Experiential Making-Structure, Space, and Material: Metal UG 3
Exploration of a range of technical and conceptual concerns of Sculpture using primary materials with a focus on research and experimentation. Metal in AU , Wood in SP Repeatable.
Prereq: ART 2400, ART 3017

ART 4007 Sculpture: Topics in Experiential Making-Structure, Space, and Material: Wood UG 3

Exploration of a range of technical and conceptual concerns of Sculpture using primary materials with a focus on research and experimentation. Metal in AU , Wood in SP Repeatable.
Prereq: ART 2400, ART 3017

Changes from:
ART 4007 - Intermediate Sculpture I
Group studio with conceptual and material emphasis led by rotating area faculty. Course may have special topic focus.
Prereq: 3507 (480), 3207 (481), and 3307 (482). Not open to student with credit for 587.01, 587.02, or 587.03. Repeatable to a maximum of 9 cr hrs or 3 completions.

3002 Intro to Ceramics: Structure U 3
Introduction to Ceramic Structures; lab practices with various modeling and potter's wheel techniques with lectures covering a broad survey of structural ceramics from brick to tile to sculpture.
Prereq: None. GE VPA course.

Changes from:
Art 3002 Intro to Ceramics - High Fire Techniques
In this course, students will work through many different building methods, such as coiling, pinching, slab building, and the use of molds as well as wheel throwing. This class will also focus on different methods of decorating and glazing high temperature ceramics.
Prereq: Not open to students with credit for 2502. GE VPA course.

Art 3012: Intro to Ceramics: Form and Surface UG 3
Introduction to Utilitarian uses of Ceramics; lab practices with various modeling and potter's wheel techniques with lectures covering a broad survey of ceramic form and surface, both historic and contemporary.
Prereq: None.

Changes from:
ART 3012 - Intro to Ceramics - Low Fire Techniques UG 3
In this course, students will work through many different building methods, such as coiling, pinching, slab building, and the use of molds as well as wheel throwing. This class will also focus on different methods of decorating and glazing low temperature ceramics.
Prereq: Not open to students with credit for 2602.

Art 4002 Intermediate Ceramics: Architectonics UG 3

Intermediate course focusing on the Architectural Ceramics; lab practices with various modeling and construction techniques with lectures covering a broad survey of the range of Architectural Ceramics, from structure to cladding to interior and exterior scale.
Prereq: ART 3012 OR Art 3002

Changes from:
ART 4002 - Intermediate Ceramics - High Fire Techniques
As an intermediate level studio course, the curriculum focuses on a tactile approach to the various ceramic modeling techniques that explore issues of form, content, surface and design. In this course, you will gain the necessary skills to begin creating significant works of art within a historically and culturally aware context.
Prereq: 3002 (2502), 3012 (2602), or permission of instructor. Not open to students with credit for 3602.

Art 4012 Intermediate Ceramics: Utility and Performance UG 3
Intermediate course focusing on the utilitarian uses of Ceramics; lab practices with various modeling and potter's wheel techniques with lectures covering a broad survey of the broad range of use, from a cup to a tool to performative gestures.
Prereq: ART Art 3002 OR Art 3012

Changes from:
ART 4012 - Intermediate Ceramics - Low Fire Techniques
As an intermediate level studio course, the curriculum focuses on a tactile approach to the various ceramic modeling techniques that explore issues of form, content, surface and design. In this course, you will gain the necessary skills to begin creating significant works of art within a historically and culturally aware context.
Prereq: 3002 (2502), 3012 (2602), or permission of instructor. Not open to students with credit for 3502.

ART 3003 Introduction to Glass Art UG 3
Introduction to skills used in molten glass forming, including; gathering, hot sculpting, and blowing. Studio practice is further expanded by experimentation with glass kiln methods. Emphasis on the development of original artworks.
Prereq: None, Repeatable.

Changes from:
ART 3003 - Introduction to Glass Art UG 3
This course provides a basic studio introduction to glass blowing methods and is a practical introduction to utilizing glass as material for artistic expression. Students will become familiar with safe practices in the hot shop.
Prereq: 2000 and 2100 or 2200, or permission of instructor. Not open to students with credit for 2503.

Art 4503 Intermediate Glass Topics UG 3
Exploration of a range of technical and conceptual concerns of Art using glass as a primary material utilizing glass blowing and glass kiln working. Further exploration of a range of hot and cold glass working techniques.
Prereq: None, Repeatable.

Changes from:
ART 4503 - Intermediate Glass Topics UG 3
Glass as an artistic material; emphasis on the evolution of a personal aesthetic through series studies. Focus on kiln-forming, flameworking, and cutting.
Prereq: 2503 and 2513, or permission of instructor. Limited to 1 completion to students with credit for 631. Repeatable to a maximum of 6 cr hrs.

State the minimum number of credits required for completion of the minor. (12 credits)

- If applicable, describe existing facilities, equipment, and off-campus field experience and clinical sites to be used. Indicate how the use of these facilities, equipment, etc., will impact other existing programs.

This program was designed to take advantage of areas within the Department of Art in which there is capacity and to limit the areas of the program in which there is both curricular overlap and replicated equipment. As computers with imaging ability and 3D printers have become increasingly available, this minor was intentionally designed to give students from outside of the Art Department access to direct hand tools and skills, with a focus on tactile involvement in the making process.

- For interdisciplinary minors, describe how advising will be done.

NA

- If applicable, describe additional university resources (including advisors and libraries) that will be required for the new minors.

No additional resources required

Academic Advising and Program Oversight:

Once approved, the Department of Art will partner with the College of Engineering to create advising strategies that facilitate the process by which students are informed of the Art: Engineering Structure minor. During, a joint meeting between the Department of Art's UGCC and the College of Engineering on October 8, 2020, it was determined that the following efforts would be made:

1. Department of Art faculty will make regular visits to specific Engineering courses in an effort to introduce the Art: Engineering Structure minor and encourage students to incorporate the courses into their academic planning.

2. In order to ensure the ongoing success of this minor, it will be overseen by joint committee of faculty and academic advisors in the Department of Art and College of Engineering. This committee will convene annually to ensure that the program is meeting its curricular objectives, has the appropriate pattern of course offerings to meet student demand and consider the need for adjustments to advising and recruiting initiatives. Key faculty from each department have been identified.

Advising Sheet
Art: Engineering Structure

The Ohio State University
College of The Arts and Sciences
Art: Engineering Structure Minor

Department of Art
258 Hopkins Hall, 128 North Oval Mall
Columbus, Ohio 43210-1363
614-292-3311; http://art.osu.edu/

The *Art: Engineering Structure* minor in Art provides students with the opportunity to integrate creative and artistic studio practice with other academic or research pursuits. The coursework revolves around a choice of basic material making with clay, wood, metal, and glass prominently featured. This minor in Art is designed to provide students with an interest in material exploration and making a way to frame and extend their interests. ART 2400 Three Dimensional Art is the required course and its structure gives students the opportunity to develop process-based skills that will add breadth to their particular curricular studies.

This minor in Art requires the completion of 12 semester credit hours, which consists of one required course (3 hours) and three elective courses (9 hours) from the list below.

Prerequisites:

*Some courses require an introductory prerequisite. These are marked with *

Complete Required Course: 3 credit hours
Art 2400 Three-Dimensional Art

Complete 9 credit hours from any courses below, across areas or in one area of concentration:

Sculpture:
Art 3017: Introduction to Sculpture: Research, Evolve, Make*
Prereq: Art 2400

Art 4007: Experiential Making: Structure, Form, and Material Metal AU, Wood SP Repeatable *
Prereq: Art 2400, Art 3017

Glass:
Art 3003: Introduction to Glass Art
Art 4503: Intermediate Glass Topics Repeatable

Ceramics:
Art 3002 Intro Ceramics: Structure
Art 3012 Intro Ceramics: Form and Surface
Art 4002 Intermediate Ceramics: Architectonic *
Prereq: Art 3002 OR Art 3012
Art 4012 Intermediate Ceramics: Utility and Performance *
Prereq: Art 3002 OR Art 3012

Questions? Please contact the Department of Art Advising
art@osu.edu

Art: Engineering Structure *Minor program guidelines*

Required for graduation No

Credit hours required A minimum of 12.
1000 level courses shall not be counted toward the 15 credit minimum.
At least 6 credit hrs must be at the 2500 level or above.

Transfer credit hours allowed At least half of the credits counting toward the minor must be earned in regular OSU coursework.

Overlap with the GE Permitted, no more than 6 credit hours. Overlap

with the major and additional minor(s)
• The minor must be in a different subject than the major.
• The minor must contain a minimum of 12 hours distinctfrom the major and/or additional minor(s).

Grades required
• Minimum C- for a course to be listed on the minor.
• Minimum 2.00 cumulative point-hour ratio required for the minor.
• Course work graded Pass/Non-Pass cannot count in the minor.
• No more than 3 credit hours of course graded Satisfactory/Unsatisfactory may count toward the minor.

Approval required The minor course work must be approved by a college/school counselor or the Department of Art.

Filing the minor program form The minor program form must be filed at least by the time the graduation application is submitted to a college/school counselor.

Changing the minor Once the minor program is filed in the college office, any changes must be approved by the Department of Art

Letters of Support
Art: Engineering Structure

THE OHIO STATE UNIVERSITY

Prof. David L. Tomasko
College of Engineering

Undergraduate Education & Student Services

122 Hitchcock Hall
2070 Neil Ave
Columbus, OH 43210

614-292-2651 Phone
614-688-3805 Fax

tomasko.1@osu.edu

15 April 2020

HRH Rebecca Harvey
Dept. of Art
College of Arts & Sciences

Dear Rebecca,

Thank you for all your efforts to put forth this exciting new minor in Art: Engineering Structure. Our students in the College of Engineering are constantly looking for hands-on activities for creative outlets. We know and understand that there are cognitive connections between the arts and engineering particularly in the areas of design thinking and material properties. This new minor makes those connections more visible and tangible to our students through interactions with Art faculty and experience with a range of materials.

All departments in the College of Engineering and Knowlton School of Architecture concur and fully endorse this new minor and we look forward to further discussions on expanding this as a series if warranted. We note that this is the first formal use of “Engineering” in the title of a program outside of our College and believe this to be a high quality precedent for such use. We will make every effort to advertise it to our students at all levels.

Sincerely,

David L Tomasko
Associate Dean for Undergraduate Education and Student Services
Professor of Chemical and Biomolecular Engineering

THE OHIO STATE UNIVERSITY

College of Engineering

Department of Mechanical and
Aerospace Engineering

Scott Laboratory
201 W. 19th Avenue
Columbus, OH 43210

614-292-2289 Phone

mae.osu.edu

3 April 2020

Re: Support for proposed minor, Art: Engineering Structure

Dear Rebecca Harvey:

The Department of Mechanical & Aerospace Engineering is quite pleased to support the proposed minor program, Art: Engineering Structure. Our department has been at the forefront of undergraduate engineering programs in the United States in our emphasis on experiential learning opportunities for our students, and this unique minor will be a valuable and much-needed complement to our existing courses. As you note in your proposal, many of our undergraduate students have a strong interest in art as shown by the number who enroll in art classes as electives. Creating a structured minor gives these students an opportunity to explore art in a deeper and more structured way, and will deepen the existing synergy between our disciplines.

To the best of my knowledge, this will be the only undergraduate minor at Ohio State that will afford students real hands-on practice with a wide variety of materials commonly used in engineering and product design today. I fully expect that the minor will rapidly become very popular with students in several engineering disciplines, particularly mechanical engineering and materials science and engineering. Our department looks forward to working with the Department of Art in the future in this area. We thank you for your persistence in creating this opportunity for our students.

Best regards,

Blaine W. Lilly

Blaine Lilly
Professor and Associate Chair for Undergraduate Programs
Mechanical & Aerospace Engineering

THE OHIO STATE UNIVERSITY

College of Engineering
Department of Materials Science and Engineering

177 Watts Hall
2041 N. College Rd.
Columbus, OH 43210

614-688-3050 Phone
614-292-4668 Fax

mse.osu.edu

October 16, 2020

Re: Support for proposed minor, Art: Engineering Structure

Dear Prof. Harvey,

The Department of Materials Science and Engineering is pleased to support the proposed minor program, Art: Engineering Structure. Materials technology is at the core of studio arts and many critical material advancements over the course of our civilization have been driven by artistic pursuits. This minor will create a unique and valuable opportunity for MSE undergraduates to tangibly connect with and gain new perspective on the materials they study. Furthermore, the inherent interdisciplinary nature of this program will foster the development of intellectually diverse and creative thinking, new ideas and broader collaborations amongst all involved. All of this clearly aligns with the OSU Discovery Themes Initiative.

Our department is committed to working with the Department of Art to ensure the success of this program. We anticipate that this minor will be popular amongst our MSE undergraduate students and others in the College of Engineering. Thank you for having the foresight and taking the initiative to bring this program to fruition.

Sincerely,

Michael J. Mills

Michael J. Mills
Chair and Taine G. McDougal Professor of Engineering
Department of Materials Science and Engineering

Appendix
Art: Engineering Structure

For best display, select no more than 2 fiscal years.

Who is taking ASC credit hours, Columbus?

Fiscal Year
Multiple values

Reporting Tier
All

Subject
ART

Catalog Nbr
All

Credit Hours by Student Primary Academic Program

	FY20			FY21	
OSU College	SU19	AU19	SP20	SU20	AU20
Arts & Sciences	345	4,338	4,156	384	4,138
Business	18	327	252	18	393
Dentistry			3		9
Education & Human Ecology	9	159	120	18	117
Engineering	33	429	421	54	366
Exploration Program	15	294	240	21	360
Food, Agricultural & Environmental Sciences	6	159	117	18	180
Health & Rehabilitation Sciences	6	108	60		96
Law					3
Medicine		3			3
Nursing		21	24		39
Office of Academic Affairs				3	3
Opt. & Vet Med					
Pharmacy	3	18	9		24
Public Affairs		6	12		27
Public Health		6	9	3	9
Social Work	9	12	21	6	18
Student Academic Services	24	93	83	15	92
Grand Total	468	5,973	5,527	540	5,877

Credit Hours by Student Primary Academic Plan

	FY20			FY21	
Primary Plan	SU19	AU19	SP20	SU20	AU20
ART-BFA	144	1,785	1,709	112	1,564
ART-BA	60	322	345	27	363
ART-MF	36	361	371	29	289
BIOLOGY-BS		111	165	6	189
AEDPRE-PRE		120	120	9	138
ARTEDU-BAE	3	120	54	27	129
EXPLORING		96	72		150
PSYCH-BA	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

https://dataviz.rae.osu.edu/#/views/ASC-WhoisTakingASCCreditHours_FY13_FY21

This report shows the breakdown of who is taking ASC credit hours .The first part shows the breakdown by College, the second by primary plan, which breaks down the ASC total aggregate into academic plans. While the ASC students as a whole have the bulk of the credit hours when broken down into academic plans you can see that the ENGR students form a solid band, outnumbering both Art Education and Biology.

https://dataviz.rae.osu.edu/#/views/ASC-WhoisTakingASCCreditHours_FY13_FY21_Partial/ASCCreditHours_2?:iid=1