

Fiscal Unit/Academic Org	Industr,Intr&Vis Comm Desg - D0230
Administering College/Academic Group	The Arts
Co-administering College/Academic Group	
Semester Conversion Designation	Converted with minimal changes to program goals and/or curricular requirements (e.g., sub-plan/specialization name changes, changes in electives and/or prerequisites, minimal changes in overall structure of program, minimal or no changes in program goals or content)
Current Program/Plan Name	Industrial Design
Proposed Program/Plan Name	Industrial Design
Program/Plan Code Abbreviation	INDDSN-BSD
Current Degree Title	Bachelor of Science in Design

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		195	130.0	131	1.0
Required credit hours offered by the unit	Minimum	92	61.3	72	10.7
	Maximum	124	82.7	84	1.3
Required credit hours offered outside of the unit	Minimum	71	47.3	47	0.3
	Maximum	103	68.7	59	9.7
Required prerequisite credit hours not included above	Minimum	0	0.0	0	0.0
	Maximum	0	0.0	0	0.0

Explain any change in credit hours if the difference is more than 4 semester credit hours between the values listed in columns B and C for any row in the above table

Rationale is explained in the Chair's letter. Please see attachment.

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

- 1. Thinking
Students acquire abilities to address Design opportunities, including the skills of problem identification, formulation, qualitative and quantitative research, analysis, synthesis, prototyping, user-testing, and evaluation of outcomes.
- 2. Doing
Students acquire competency with tools, technologies, skills and materials in the exploration, creation, and production of products, artifacts, environments, systems, communications solutions and services.
- 3. Practice
Students demonstrate understanding of basic professional practices, including the ability to communicate, document, organize and lead work productively as team members able to adapt to the evolving role of Design.
- 4. Scope
Students demonstrate understanding of the role and responsibility of Design in the local and global context, including the foundational comprehension and application of ethical concepts of sustainable development, social innovation and hum
- 5. Context
Students demonstrate knowledge of established and emerging theory and practice, including critical thinking and an understanding of interdisciplinary relationships in order to recognize and act on opportunities.
- 6. Role
Students acquire the ability to recognize the role of the Designer as the expert practitioner and/or catalyst for collective creativity.

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? Yes

Does the degree program or major have an assessment plan on file with the university Office of Academic Affairs? Yes

Summarize how the program's current quarter-based assessment practices will be modified, if necessary, to fit the semester calendar.

New assessment practices have been established that link directly to the above program learning goals, and will be implemented for the semesters curriculum.

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? Yes

An entrance examination is required for entry to the major. Please see attachment.

Attachments

- IndDsgnFeb11.pdf: Industrial Design program
(Program Proposal. Owner: Nini,Paul Joseph)

Comments

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Nini,Paul Joseph	01/12/2011 04:53 PM	Submitted for Approval
Revision Requested	Gill,Carolina L	01/21/2011 11:33 AM	Unit Approval



14 February 2011

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The Ohio State University

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RE: Department of Design Quarters to Semesters Conversion: Chair's Letter and Rationale for conversion with minimal changes

On behalf of the faculty of the Department of Design, I am pleased to submit this proposal for conversion of our curriculum from quarters to semesters. We have undergone a comprehensive review process, and have arrived at revised and updated versions of our current programs.

I recommend, therefore, that the Office of Academic Affairs approve proposals for the following degree programs:

- 1) Our undergraduate-level Bachelor of Science in Design (BSD) programs in Industrial Design, Interior Design, and Visual Communication Design;
- 2) Our undergraduate-level Minor program in Design, now constructed in two tracks; and
- 3) Our graduate-level Masters of Fine Arts (MFA) and Masters of Arts (MA) degree programs.

None of our programs is being withdrawn at this time. All current programs are moving forward for approval as part of this review process.

Our internal process for conversion of the current curriculum to semesters has been grounded in all cases by the requirements set forth by our accrediting body, the National Association of Schools of Art and Design (NASAD). Our basic program goals derive directly from NASAD criteria for accreditation, and are applied to the courses in our degree programs. This approach has kept the conversion process focused, and provided a unifying structure to our programs.

This process was led by a core group of faculty members representing our undergraduate disciplines and graduate program that worked closely with University Center for the Advancement of Teaching (UCAT) to fully define program goals, course goals, and assessment processes. The group conducted a comprehensive series of meetings over several months with their faculty colleagues. Using our mission statement as guiding principles, they led us through the process of "unpacking" our current curriculum, so it could be reassembled appropriately for semesters.

We arrived at conclusions that confirmed many of our long-held core beliefs. We have examined and reaffirmed our collective commitment to content areas such as Design as a problem-solving activity, as a socially-responsible activity, as an interdisciplinary activity, as a collaborative educational experience with a focus on user-centered Design research and emerging Design media. Each of these areas have been better integrated in the curriculum, and thereby strengthened in our various programs.

Attached you will find several documents detailing the new versions of our degree programs. Below I will provide specific information to supply rationale and context for each of those programs.

Bachelor of Science (BSD) programs in Industrial Design, Interior Design, and Visual Communication Design

Our undergraduate degree programs are configured as separate majors that share a common foundation sequence, along with a number of core-topic courses where the three disciplines come together for joint instruction. This approach allows each major program to fully prepare its students for the professional expectations of their particular Design discipline. It also allows for students to develop a more holistic view of Design in general, and to see the opportunities for connection and collaboration across the disciplines.

We have used the semester conversion process as an opportunity to continue the approach described above, and to strengthen it by careful coordination of each of the major programs around common, thematic content “threads” — such as course sequences devoted to studio/making, research, visualization, media, technology, collaboration, and professional practices. This approach provides a cohesive structure across the major programs, but still allows for course content to be customized to discipline-specific needs.

While it might appear to someone outside of Design that the proposed semester structure is significantly different from our current structure, the opposite is the case. In fact, the new structure mirrors very closely what we are currently delivering under the quarter system. Many course titles and descriptions have existed for 40 years or more — and while those were written to allow for maximum flexibility, it was necessary to make some revisions to better reflect current conditions in the profession. Our faculty members strongly believe that these changes better represent our intentions, and make the course sequences clearer to our students.

Our undergraduate programs each currently require 195 credit hours in the quarter system. They are considered “tagged” professional degrees, and include a modified version of the GEC to meet NASAD requirements for hours in the major. We propose that the GE be modified in a similar fashion under semesters.

A strict conversion of 195 credits to two-thirds would equal 131 credits. Our faculty have decided to maintain this number of credit hours and to shift some of our current Design elective courses to become required in the major programs. The 22 elective credits that were a part of the quarter-based program in all three undergraduate majors will now convert to 12 semester credit hours of electives that can be taken in any discipline across the university. Please note that due to additional accreditation standards, Interior Design requires 6 credits of electives and one course from Architecture for a 9 credit hour elective requirement.

We find that many of our current students complete minors in other areas related to Design, and we expect that many will graduate with more than the 131 credits required in their programs. We have also identified a number of minor programs throughout the university strongly-related to Design, and will continue to suggest those to our major students as part of our advising activities.

Please also keep in mind that the current Design major programs operate in a “lock-step” fashion, where any quarter’s course must be taken in that exact term as described in the four-year plan, and is the prerequisite for the next quarter’s course. We will continue with that system under semesters, and will continue to advise students as we do now, to ensure that they correctly follow their major sequences.

The largest adjustment to our programs will take place in the first year, where our foundations sequence occurs. Those courses have been constructed as seven-week modules, and will be required for all Pre-Design students wishing to apply for

entrance to the major programs. Evaluation of applications will occur in the early Spring semester, and 18 new students will be accepted to each of the majors, as we do currently.

We expect that the proposed series of seven-week, 1.5 credit courses will allow us to break existing content areas into more manageable units, as projects will be shorter-term, and address a variety of principles. This approach will also result in students being exposed to a larger number of instructors and viewpoints in the first year of studies.

Those students not accepted to a major program will be guided to an alternate course sequence for the second seven weeks of Spring semester. Their completion of that particular first year sequence of course will result in completion of one possible track in the Design Minor, as described below.

We have also provided a seven week module in Spring semester of the third year, so that major students may participate in study abroad experiences at one of many foreign institutions with which we have partnered via The Office of International Affairs (OIA).

Participating students will take one, three-credit course in the first seven weeks that will meet twice as often as usual, and will then take six to twelve hours of additional credits under the "Study at a Foreign Institution" course during the second seven weeks of the term. Those foreign study credits will then be used to replace required courses and electives normally completed in the Spring semester major programs.

Students not participating in study abroad experiences will also take the three-credit course in the first seven weeks mentioned above, along with the other, full-semester courses required that term.

Finally, we will continue with the practice of a required Senior Thesis Project for all major program students, and required exhibition of project outcomes in our annual Spring Exhibition.

Undergraduate-level Minor program in Design

As mentioned in the previous section, a version of the Design Minor will be in place for any Pre-Design students completing the first year foundations sequence but not accepted to one of the three major programs.

We are aware that this Design Minor track does not include the typical percentage of courses at upper-levels, that is, above 2000. Given the fact that students who complete this version of the minor will do so by taking courses that are first year requirements for our major students, it is impossible to meet the upper-level policy set forth by Arts and Sciences Committee on Curriculum and Instruction.

The contents of these first-year courses that would fulfill this minor track are, however, at a more advanced-level than what is typically found in freshman courses in many disciplines within the university. The Design 2000-level foundational courses provide a significant grounding in Design process, visualization, history and basic practices that should serve these students well as they finish this version of the minor program and proceed with their eventual major programs in other areas of the university.

Therefore, we ask for an exception to the typical percentage of required courses above 2000-level in this version of the minor for Pre-Design students not accepted to one of the three major programs.

A second Design Minor track will also be in place, but specifically for students in other majors in the University that have not completed our first-year sequence. This version will be very similar to the current Design Minor, where students

will choose from course offerings in certain categories, and take those courses in a sequence of their choosing.

Both versions of the proposed Design minor will convert to 18 semester credits. The current minor consists of 25 quarter credits.

Masters of Fine Arts (MFA) and Masters of Arts (MA) degree programs

Our graduate degree programs are interdisciplinary in nature, and involve studies in content areas that crossover our three design disciplines, as well as those from aligned areas such as Architecture, Business, Computer Science, Engineering, the Fine Arts, and the Social Sciences.

To support this approach, we will continue to offer a series of Seminar and Studio courses that require reflection on contemporary design issues and responses to those issues via project outcomes. These core courses are augmented by special topic courses, independent study courses, and thesis development courses.

Graduate students currently work with committees of faculty advisors for development of thesis projects and documents, and that practice will continue under semesters. Students will also continue to work with advisors to identify elective course in aligned areas such as those listed above that are related to their thesis topics.

The current MFA degree program consists of 90 quarter credit hours, and will convert to 60 semester credits. The current MA degree program consists of 60 quarter credit hours, and will convert to 42 semester credits.

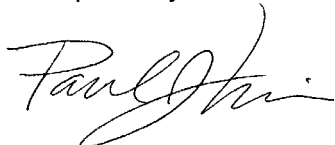
Thanks and acknowledgements

The faculty of the Department of Design would like to thank the staff of University Center for the Advancement of Teaching (UCAT) for their assistance in the process of organizing and reviewing our curriculum for this conversion process. They brought much-needed clarity to what appeared at first to be an overwhelming task.

I would also like to recognize the vast amount of work put into this process by our Ad Hoc Faculty Semesters Committee, which included Carolina Gill, Associate Professor of Industrial Design (Committee Chairperson), Peter Kwok Chan, Associate Professor of Visual Communication Design, Susan Melsop, Assistant Professor of Interior Design, and Alan Price, Associate Professor, Design/ACCAD, and Graduate Studies Chairperson. They all went well-beyond the call of duty to work with and represent the rest of the Design faculty, and will continue to do so as we progress to the next phases of this process.

Finally, the faculty of the Department of Design thanks the Office of Academic Affairs for its consideration of this proposal, and relays to the members of the review committee our best wishes.

Respectfully submitted.



Paul J. Nini
Professor + Interim Chairperson
Department of Design

Department of Design Program Proposals

1. Bachelor of Science in Design (BSD) programs in Industrial Design, Interior Design, and Visual Communication Design

- a. Bachelor of Science in Design (BSD): Industrial Design
 - b. Bachelor of Science in Design (BSD): Interior Design
 - c. Bachelor of Science in Design (BSD): Visual Communication Design
-

2. Undergraduate-level Minor program in Design

- a. Design Minor (Design-MN)
 - b. Design Minor for Pre-Design students not accepted to a Design Major
-

3. Master of Fine Arts (MFA) and Master of Arts (MA) degree programs

- a. Master of Fine Arts (MFA) in Design
 - b. Master of Arts (MA) in Design
-

All of the above programs have been converted to semesters with minimal changes to program goals and curricular requirements.

Department of Design

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The Ohio State University Department of Design

Industrial Design Major

Bachelor of Science in Design (BSD), College of Arts and Sciences, updated 09/10

Name: _____

Advisor: _____



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University Requirements

GEC: 77 hours

Arts 100: 1 hour

Writing and Related Skills:

13 hours

- 5 Eng. 110 or 111
- 5 Eng. 367 (or other second level writing course)†
- 3 Design 555 (Methodology)

Quantitative and Logical

Skills: 10 hours

- 5 Math 116 or equivalent
- 5 Statistics 135 or 145 or equivalent

Social Sciences: 15 hours*†

- 5 _____
- 5 _____
- 5 _____

Natural Sciences: 15 hours*

- 5 _____
- 5 _____
- 5 _____

Art and Humanities: 10 hours*†

- 5 Art 300 (Photography)
- 5 Literature

Historical Study: 13 hours*†

- 3 Design 253 (History)
- 5 Hist. of Art 202
- 5 History or History of Art

*See approved GEC course list for specific courses.

†One course on social diversity in the US, and two non-western or global courses are required. Hours overlap with other GEC categories.

Industrial Design Major Requirements:

118 hours

Design: 86 hours

- 5 Design 200
- 3 Design 201
- 3 Design 203
- 3 Design 205
- 5 Design 251
- 5 Design 252
- 0* Design 253
- 3 Design 254
- 3 Design 310
- 5 Design 262.04
- 5 Design 460.04
- 5 Design 461.04
- 5 Design 462.04
- 3 Design 501
- 3 Design 502
- 3 Design 551
- 3 Design 552
- 3 Design 554
- 0* Design 555
- 3 Design 603
- 3 Design 656
- 5 Design 660.04
- 5 Design 661.04
- 5 Design 662.04

*Listed under GEC.

Others: 22 hours

Select any combination of courses from the following list:

- Architecture*
- Business*
- Engineering*
- Art 307, 331, 340, 342, 370, 480, 481
- Comm. 200, 321, 367
- Design 258, 320*, 340, 570, 573, 693, 780
- Ed. T&L 120, 220, 221, 222, 225, 227, 228, 231, 232

Free Electives: 10 hours

Any courses

Minimum required for graduation: 195 hours

*Any courses from these programs may be used.

*Design 320 is suggested.

Current quarters-based advising sheet showing all degree requirements.



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The Ohio State University Department of Design

Industrial Design Major

Curriculum Sheet, updated 09/10

→ 1st Year: Autumn		Winter	Spring	
1	Arts 100 (GEC)	3	Design 203*	
5	Design 200*	5	Math 116 or equiv. (GEC)	
3	Design 201*	5	Literature (GEC)	
5	English 110 or 111 (GEC)	5	Design 310*	
5	Social Science (GEC)		3	Design 205*
			5	Social Science (GEC)
			5	Natural Science (GEC)
			5	Design 320** <i>(suggested elective)</i>
→ 2nd Year: Autumn		Winter	Spring	
5	Design 251	5	Design 252	
3	Design 253 (GEC)	3	Design 254	
5	Others or Free Electives	5	Others or Free Electives	
5	Statistics 135, 145 or equiv. (GEC)	5	Art 300 (GEC)	
			5	Design 262.04
			3	Design 501
			5	English 367 or other second-level writing course (GEC)
			5	Others or Free Electives
→ 3rd Year: Autumn		Winter	Spring	
5	Design 460.04	5	Design 461.04	
3	Design 502	3	Design 551	
3	Design 555 (GEC)	3	Design 603	
3-5	Others or Free Electives	5	History of Art or History (GEC)	
			5	Design 462.04
			3	Design 552
			5	Social Science (GEC)
			3-5	Others or Free Electives
→ 4th Year: Autumn		Winter	Spring	
5	Design 660.04	5	Design 661.04	
3	Design 554	3	Design 656	
5	Natural Science (GEC)	5	Others or Free Electives	
			5	Design 662.04
			5	Natural Science (GEC)
			5	History of Art 202 (GEC)

* Design 200, 201, 203, 205, 310 should be taken before Autumn Quarter of the second year.

** It is suggested that Design 320 be taken before Autumn Quarter of the second year.

Notes:

Current quarters-based advising sheet showing course sequences by year. All Design courses must be taken as shown.



The Ohio State University Department of Design

Industrial Design Major

Bachelor of Science in Design (BSD), College of Arts and Sciences, updated xx/xx

Name: _____

Advisor: _____



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General Education:
53 to 55 hours

Arts xxxx: 1 credit hour

Writing: 9 credit hours

Writing 1 English 1110

Writing 2 any 2367

Design 3200 (Design Research 1)

Literature: 3 credit hours

Arts: 3 credit hours

Math: 3-5 credit hours

Math 1116

Data Analysis: 3 credit hours

Statistics 1350 or 1450

Science: 10 credit hours

Biological Science

Physical Science

(one must have a lab)

Historical Study: 9 credit hours

History of Art 2002

History or History of Art xxxx

Design 2750 (Design History)

Social Science: 9 credit hours

(One for each category)

Open Option: 3 credit hours

See approved GE list for specific courses in each category. One course on Social Diversity in the US, and two Global Studies courses are required — these contents are typically embedded in other courses.

Industrial Design Major Requirements:
78 hours

1.5 Design 2110: Design Fundamentals 1 (AU, weeks 1 to 7)

1.5 Design 2120: Design Fundamentals 2 (AU, weeks 8 to 14)

1.5 Design 2310: Vis Principles 1 (AU, weeks 1 to 7)

1.5 Design 2320: Vis Principles 2 (AU, weeks 8 to 14)

3 Design 2700: Intro to Design Practice (AU)

1.5 Design 2130: Design Fundamentals 3 (SP, weeks 1 to 7)

1.5 Design 2140: Design Fundamentals 4 (SP, weeks 8 to 14)

1.5 Design 2330: Vis Principles 3 (SP, weeks 1 to 7)

1.5 Design 2340: Vis Principles 4 (SP, weeks 8 to 14)

0* *Design 2750: Design History (SP, GE course)*

3 Design 3101: Intro to Ind Design 1 (AU)

0* *Design 3200: Design Research 1 (AU, GE course)*

3 Design 3301: Vis Strategies for Ind Design 1

3 Design 3400: Design Media 1 (AU)

3 Design 3151: Intro to Ind Design 2 (SP)

3 Design 3450: Design Media 2 (SP)

3 Design 3550: Materials + Processes (SP)

3 Design 4101: Intermediate Ind Design 1 (AU)

3 Design 4200: Design Research 2 (AU)

3 Design 4400: Design Media 3 (AU)

3 Design 4151: Intermediate Ind Design 2 (SP)

3 Design 4650: Collaborative Design (SP)

3 Design 4750: Professional Practices (SP, weeks 1 to 7)

6-12 Design 4797: Study Abroad (SP, weeks 8 to 14) only for students pre-approved for study abroad experiences. Credits will be used to replace Design 4153, Design 4650, and up to six hours of University Free Elective courses.

3 Design 5101: Advanced Ind Design 1 (AU)

3 Design 5200: Design Research 3 (AU)

3 Design 5301: Vis Strategies for Ind Design 2 (AU)

3 Design 5151: Advanced Ind Design 1 (SP)

3 Design 5800: Design Seminar (SP)

University Free Electives: 12 credit hours, any courses

Minimum required for graduation: 131 credit hours

Proposed semesters-based advising sheet showing all degree requirements.



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The Ohio State University Department of Design

Industrial Design Major

Curriculum Sheet, updated xx/xx

→ 1st Year: Autumn	Spring
1.5 Design 2110: Design Fndmntls 1 (weeks 1 to 7)	1.5 Design 2130: Design Fndmntls 3 (weeks 1 to 7)
1.5 Design 2120: Design Fndmntls 2 (weeks 8 to 14)	1.5 Design 2140: Design Fndmntls 4 (weeks 8 to 14)
1.5 Design 2310: Vis Principles 1 (weeks 1 to 7)	1.5 Design 2330: Vis Principles 3 (weeks 1 to 7)
1.5 Design 2320: Vis Principles 2 (weeks 8 to 14)	1.5 Design 2340: Vis Principles 4 (weeks 8 to 14)
3 Design 2700: Intro to Design Practice	3 Design 2750: Design History (GE course)
3 GE course	3 GE course
3 GE course	3 GE course
1 Arts Survey GE course	

→ 2nd Year: Autumn	Spring
3 Design 3101: Intro to Ind Design 1	3 Design 3151: Intro to Ind Design 2
3 Design 3200: Design Research 1 (GE course)	3 Design 3450: Design Media 2
3 Design 3301: Vis Strategies for Ind Design 1	3 Design 3550: Materials + Processes
3 Design 3400: Design Media 1	3 GE course
3 GE course	3 GE course
3 GE course	3-5 GE course

→ 3rd Year: Autumn	Spring
3 Design 4101: Intermediate Ind Design 1	3 Design 4151: Intermediate Ind Design 2
3 Design 4200: Design Research 2	3 Design 4650: Collaborative Design
3 Design 4400: Design Media 3	3 Design 4750: Professional Practices (weeks 1 to 7)
3 Free elective	3 Free elective
3 GE course	3 Free elective
3 GE course	6-12 Design 4797 (weeks 8 to 14)*

→ 4th Year: Autumn	Spring
3 Design 5101: Advanced Ind Design 1	3 Design 5151: Advanced Ind Design 1
3 Design 5200: Design Research 3	3 Design 5800: Design Seminar
3 Design 5301: Vis Strategies for Ind Design 2	3 Free elective
3 GE course	3 GE course
3 GE course	4 GE course

*Design 4797 is only for students pre-approved for study abroad experiences. Credits will be used to replace Design 4151, Design 4650, and up to six hours of Free Elective courses.

Notes:

Proposed semesters-based advising sheet showing course sequences by year. All Design courses must be taken as shown.

Bachelor of Science in Design (BSD) program in Industrial Design: semester courses and descriptions

2000-level required courses:

Design 2110: Design Fundamentals 1

1.5 credit hours, AU weeks 1 to 7. Introduction to form, organizational structures and problem solving in the context of basic 2D design.

Design 2120: Design Fundamentals 2

1.5 credit hours, AU weeks 8 to 14. Introduction to form, organizational principles, material techniques, and problem solving in the context of basic 3D design.

Design 2130: Design Fundamentals 3

1.5 credit hours, SP weeks 1 to 7. Application of acquired skills and knowledge of visual language and spatial constructs to generate design concepts in a given context.

Design 2140: Design Fundamentals 4

1.5 credit hours, SP weeks 8 to 14. Introduction to basic typographic design and graphic layout.

Design 2310: Visual Principles and Techniques 1

1.5 credit hours, AU weeks 1 to 7. Skill building in using drawing to observe, see, record and communicate characteristics of subjects, objects, information, environments, experiences and interactions.

Design 2320: Visual Principles and Techniques 2

1.5 credit hours, AU weeks 8 to 14. Skill building in using drawing to describe, analyze and communicate design situations.

Design 2330: Visual Principles and Techniques 3

1.5 credit hours, SP weeks 1 to 7. Skills and techniques mix media that assist in interpreting, translating and generating visual narratives that reveal relationships among subjects, objects, information, environments, experience and interactions.

Design 2340: Visual Principles and Techniques 4

1.5 credit hours, SP weeks 8 to 14. Skill development in using measured drawings as a tool to communicate and document precise information.

Design 2700: Introduction to Design Practice

3 credit hours, AU. Introduction to theory, rationale, practice, and societal impact of design; design process, critical issues, relationship to the environment.

Design 2750: Design History

3 credit hours, SP. A history of design as affected by technology, science, and cultural world view.

3000-level required courses:**Design 3101: Introduction to Industrial Design 1**

3 credit hours, AU. Introduction to divergent thinking strategies including design research, observation, abstraction, evaluation and communication in the context of Industrial Design.

Design 3151: Introduction to Industrial Design 2

3 credit hours, SP. Application of divergent thinking strategies including design research, manufacturing, evaluation and digital communication in the context of Industrial Design.

Design 3200: Design Research 1

3 credit hours, AU. Introduction to techniques and methods of evaluative research.

Design 3301: Visualization Strategies for Industrial Design 1

3 credit hours, AU. Skill development in using freehand sketching for rapid concept generation, form development and communication in the context of Industrial Design.

Design 3400: Design Media 1

3 credit hours, AU. Introduction of concept development through processes of sequential imaging, time-based media and motion graphics.

Design 3450: Design Media 2

3 credit hours, SP. Intermediate course in digital media and emerging trends in idea generation, visualization and interactivity.

Design 3550: Materials, process and production

3 credit hours, SP. An overview of current and emerging materials and manufacturing processes commonly applied in production.

4000-level required courses:**Design 4101: Intermediate Industrial Design 1**

3 credit hours, AU. Introduction to problem and opportunity identification in the context of product design. Experience with evaluative research methods and product design development process at the intermediate level.

Design 4151: Intermediate Industrial Design 2

3 credit hours, SP. Introduction to problem and opportunity identification in the context of experience design. Experience with generative research methods and design development process at the intermediate level.

Design 4200: Design Research 2

3 credit hours, AU. Introduction to tools techniques and methods and mindsets of generative research.

Design 4400: Design Media 3

3 credit hours, AU. Exposure to future trends in participatory and collaborative design methods enabled by technology through multi-user, telepresence, immersive and virtual simulations, with surveys of concepts in human-computer interaction and interface design.

Design 4650: Collaborative Design

3 credit hours, SP. Interdisciplinary knowledge and problems examined and discussed in the context of social responsibility (global and local).

Design 4750: Professional Practices

3 credit hours, SP. Investigation of the administrative and legal aspects of the design profession contrasting the private firm with corporate and free-lance practices.

Design 4797: Study at a Foreign Institution

6-12 credit hours, SP weeks 8-14. A study abroad experience at a foreign institution approved by the Department of Design.

5000-level required courses:

Design 5101: Advanced Industrial Design 1

3 credit hours, AU. Application of problem and opportunity identification in the context of a specific client organization needs.

Design 5151: Advanced Industrial Design 2

3 credit hours, SP. A competency with tools, technologies, skills and materials in the exploration, creation, and production, of products, artifacts, environments, systems, communication solutions and services.

Design 5200: Design Research 3

3 credit hours, AU. To address design opportunities, including the skills of problem identification, formulation, qualitative and quantitative research, analysis, synthesis, and project proposal.

Design 5301: Visualization Strategies for Industrial Design 2

3 credit hours, AU. Design and application of information systems in the production of visual communications within frameworks of Design Research and Industrial Design.

Design 5800: Design Seminar

3 credit hours, AU, SP. Investigation of issues and inquiry into topics of relevance to design; group discussions and analysis of events, processes, manifestations and procedures.

5000-level elective courses:

Design 5191: Internship

3-9 credit hours. Field application of design in a capacity requiring a close working relationship within a professional environment.

Design 5193: Individual Studies

3-9 credit hours. Advanced study for students in specialized programs.

Design 5194: Group Studies

3-9 credit hours. Group studies for students in specialized programs.

Design 5600E: Design Matters

3 credit hours. Students in this interdisciplinary design/build studio have the opportunity to work on site in a collaborative design environment with a local non-profit organization.

Design 5600S: Design Matters

3 credit hours. Students in this interdisciplinary design/build studio have the opportunity to work on site in a collaborative design environment with a local non-profit organization.

Design 5798: Study Tour

3-9 credit hours. Specific content, location, term(s) of offering, and prerequisites vary; contact department office for details.

Design 5998: Undergraduate Scholarship: Research and Creative Activity in Design

3 credit hours. Undergraduate research and creative activities in varying topics.

Design 5998H: Honors Undergraduate Scholarship: Research and Creative Activity in Design

3 credit hours. Undergraduate research and creative activities in varying topics.

Design 5999: Undergraduate Scholarship: Research and Writing in Design

3 credit hours. Undergraduate research and writing on varying topics.

Design 5999H: Honors Undergraduate Scholarship: Research and Writing in Design

3 credit hours. Undergraduate research and writing on varying topics.

Bachelor of Science in Design (BSD) program in Industrial Design

Conversion table (2/3 of current totals)

Current Bachelor of Science in Design (BSD) program in Visual Communication Design requirements (quarters)

Total degree credit hours required: 195

Proposed Bachelor of Science in Design (BSD) program in Visual Communication Design requirements (semesters)

Total degree credit hours required: 131

A strict conversion of $195 @ 2/3 = 131$ credit hours.

Current GEC = 77 credits $@ 2/3 = 51$; GE amount proposed = 53-55 credits.

Current major program = 118 credits $(86 + 22 + 10) @ 2/3 = 79$; amount proposed = 78 credits $(66 + 12)$.

Bachelor of Science in Design (BSD) program in Industrial Design

Transition policy

No student will be delayed from completing their major program due to the conversion to semesters. Those students affected by the transition will receive specific degree requirement sheets showing major program course sequences from the quarter system, along with new required course sequences under semesters.

Undergraduate students who start the first, second, or third year in the program under the quarter system will be guided to special versions of courses in the following years that have adjusted contents for the transition to semesters.

Please see the following example for second year students in this major program. Similar documents for transitional students at all levels and in all major programs will be produced.

Each of the three undergraduate programs has approximately 54 students moving to the next level at the end of any given academic year. A total of 162 major program students will be advised by the Department Academic Advisor and three major program coordinator faculty members during the transition to semesters. They will be guided to register for the correct courses in their major programs sequences, exactly as we do now under the quarter system.

We also expect to have approximately 120 pre-major students requiring advising concerning the first-year course sequence, as shown in the previous semester advising sheets. That information is currently made public via our web-site, and is also given to pre-major students as part of their orientation by College advisors, who work with them during their first year, as they apply for acceptance to one of our major programs. This approach will continue under semesters.

Finally, transfer students are also required to take the annual entrance exam to be considered for a major program, along with all pre-major students. In most cases, transfer students then start a program sequence in the following autumn, as all cohorts of previously accepted major program students are typically at capacity. On rare occasion a transfer student may be placed in an existing cohort, but only if past course work from the previous institution warrants that placement, and if a spot in the cohort is available. This policy will also continue under semesters.



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www.design.osu.edu

The Ohio State University Department of Design

Industrial Design Major

Curriculum Sheet, updated xx/xx

→ 1st Year: Autumn		Winter	Spring
1	Arts 100 (GEC)	3	Design 203
5	Design 200	5	Math 116 or equiv. (GEC)
3	Design 201	5	Literature (GEC)
5	English 110 or 111 (GEC)	3	Design 310
5	Social Science (GEC)		3 Design 205
			5 Social Science (GEC)
			5 Natural Science (GEC)
			3 Design 320
			(suggested elective)

2012-13 academic year - semesters curriculum

→ 2nd Year: Autumn		Spring
3	Design 2750: Design History (GE course) ^A	3 Design 3151: Intro to Ind Design 2 ^C
3	Design 3101: Intro to Ind Design 1 ^B	3 Design 3450: Design Media 2
3	Design 3200: Design Research 1 (GE course)	3 Design 3550: Materials + Processes
3	Design 3301: Vis Strategies for Ind Design 1	3 GE course
3	Design 3400: Design Media 1	3 GE course
3	GE course	3-5 GE course

→ 3rd Year: Autumn		Spring
3	Design 4101: Intermediate Ind Design 1	3 Design 4151: Intermediate Ind Design 2
3	Design 4200: Design Research 2	3 Design 4650: Collaborative Design
3	Design 4400: Design Media 3	3 Design 4750: Professional Practices
3	Free elective	(weeks 1 to 7)
3	GE course	3 Free elective
3	GE course	3 Free elective
		6-12 Design 4797 (weeks 8 to 14) *

→ 4th Year: Autumn		Spring
3	Design 5101: Advanced Ind Design 1	3 Design 5151: Advanced Ind Design 1
3	Design 5200: Design Research 3	3 Design 5800: Design Seminar
3	Design 5301: Vis Strategies for Ind Design 2	3 Free elective
3	GE course	3 GE course
3	GE course	4 GE course

^A Expanded content of Design 253.

^B Replaces Design 251, 252, 501 with selected content.

^C Expanded content of Design 460.04 & 461.04.

* Design 4797 is only for students pre-approved for study abroad experiences. Credits will be used to replace Design 4151, Design 4650, and up to six hours of Free Elective courses.

Notes:

Example advising sheet for students starting a major program in the first year under quarters. Adjusted content is shown for year 2.

Department of Design Undergraduate Programs Goals

1. Thinking

Students acquire abilities to address Design opportunities, including the skills of problem identification, formulation, qualitative and quantitative research, analysis, synthesis, prototyping, user-testing, and evaluation of outcomes.

2. Doing

Students acquire competency with tools, technologies, skills and materials in the exploration, creation, and production of products, artifacts, environments, systems, communications solutions and services.

3. Practice

Students demonstrate understanding of basic professional practices, including the ability to communicate, document, organize and lead work productively as team members able to adapt to the evolving role of Design.

4. Scope

Students demonstrate understanding of the role and responsibility of Design in the local and global context, including the foundational comprehension and application of ethical concepts of sustainable development, social innovation and human-centered design to practice.

5. Context

Students demonstrate knowledge of established and emerging theory and practice, including critical thinking and an understanding of interdisciplinary relationships in order to recognize and act on opportunities.

6. Role

Students acquire the ability to recognize the role of the Designer as the expert practitioner and/or catalyst for collective creativity.

Industrial Design Major

Bachelor of Science in Design (BSD), College of Arts and Sciences

PROGRAM LEARNING GOALS: #1 OF 2

Goal 1: Thinking **Goal 2: Doing** **Goal 3: Practice** **Goal 4: Scope** **Goal 5: Context** **Goal 6: Role**

Required Courses	Goal 1: Thinking	Goal 2: Doing	Goal 3: Practice	Goal 4: Scope	Goal 5: Context	Goal 6: Role
2110: D. Fundamentals 1	Beginning	Beginning				
2120: D.Fundamentals 2	Beginning	Beginning				
2310: Vis. Principles 1	Beginning	Beginning				
2320: Vis. Principles 2	Beginning	Beginning				
2700: Intro. to D. Practice			Beginning	Beginning	Beginning	Beginning
2130: D.Fundamentals 3	Beginning	Beginning	Beginning			
2140: D. Fundamentals 4	Beginning	Beginning/Interm	Beginning			
2330: Vis. Principles 3	Beginning	Beginning	Beginning			
2340: Vis. Principles 4	Beginning	Beginning/Interm	Beginning			
2750: D. History			Beginning	Beginning	Beginning	Beginning
3103: Intro. to IND 1	Beginning/Interm	Beginning/Interm	Beginning			Beginning
3200: D. Research 1	Beginning		Beginning		Beginning	Beginning
3400: D. Media 1	Beginning/Interm	Beginning/Interm	Beginning/Interm			
3301: Vis Strategies IND 1		Intermediate	Intermediate			
3153: Intro. to IND 2	Intermediate	Beginning/Interm	Beginning/Interm			Beginning
3450: D. Media 2	Beginning					
3550: Materials+Processes			Intermediate	Intermediate	Intermediate	
4103: Intermediate IND 1	Intermediate	Intermediate	Intermediate			Beginning/Interm
4200: D. Research 2	Intermediate	Beginning/Interm	Intermediate	Beginning/Interm	Intermediate	Beginning/Interm
4400: D. Media 3	Intermediate	Intermediate	Intermediate			Beginning/Interm
4153: Intermediate IND 2	Intermediate	Intermediate	Intermediate			Beginning/Interm
4650: Collaborative D.		Intermediate		Intermediate	Advanced	
4750: Prof. Practices			Intermediate	Intermediate	Intermediate	
4797: Study Abroad	Intermediate	Intermediate			Advanced	Intermediate
5103: Advanced IND 1	Advanced	Advanced	Advanced	Interm/Advanced	Interm/Advanced	Intermediate
5200: D. Research 3	Interm/Advanced	Intermediate	Intermediate	Intermediate	Intermediate	Interm/Advanced
5800: D. Seminar	Advanced		Advanced	Interm/Advanced	Interm/Advanced	Interm/Advanced
5153: Advanced IND 2	Advanced	Advanced	Advanced	Interm/Advanced	Advanced	Advanced
5301: Vis Strategies IND 2	Interm/Advanced	Interm/Advanced	Interm/Advanced			Advanced

Industrial Design Major

Bachelor of Science in Design (BSD), College of Arts and Sciences

PROGRAM LEARNING GOALS: #2 OF 2

Goal 1: Thinking **Goal 2: Doing** **Goal 3: Practice** **Goal 4: Scope** **Goal 5: Context** **Goal 6: Role**

Elective Courses						
5191: Internship	Intermediate	Intermediate	Advanced	Intermediate	Intermediate	Intermediate
5193: Individual Studies	Intermediate	Intermediate			Advanced	
5194: Group Studies	Intermediate	Intermediate			Advanced	
5600E: Design Matters: Embedded	Advanced	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
5600S: Design Matters: Service	Advanced	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
5798: Study Tour	Advanced				Intermediate	
5998: UG Schlrshp: Creative	Advanced			Advanced	Advanced	
5998H: Honors UG Schlrshp: Creative	Advanced			Advanced	Advanced	
5999: UG Schlrshp: Writing	Advanced			Advanced	Advanced	
5999H: Honors UG Schlrshp: Writing	Advanced			Advanced	Advanced	