

ART AND DESIGN OPTION

This option is offered within the following major(s):

- Renewable Materials - College of Forestry (<http://catalog.oregonstate.edu/college-departments/forestry/wood-science-engineering/renewable-materials-bs-hbs>)

The Art and Design (A&D) option prepares students to engage with renewable materials on an aesthetic level, whether as interior designers, fine artists, or entrepreneurs. Students will gain not only an in-depth knowledge of renewable materials but also how these materials can function visually within the human space. In addition to the aesthetic aspect, students will gain an understanding of green building materials and green architecture. Students in the A&D option may also earn a visual arts minor by completing 31 credits of applicable course work.

Code	Title	Hours
Art and Design Core		
ART 115	2-D CORE STUDIO	4
ART 117	3-D CORE STUDIO	4
ART 131	DRAWING CORE STUDIO	4
ART 234	DRAWING II/FIGURE	4
ART 291	SCULPTURE I	4
DSGN 121	COMPUTER AIDED DESIGN	3
MTH 245	*MATHEMATICS FOR MANAGEMENT, LIFE, AND SOCIAL SCIENCES	4
ST 201	PRINCIPLES OF STATISTICS	4
ST 202	PRINCIPLES OF STATISTICS	4
WSE 211	WOODTURNING WITH SCIENCE I	4
WSE 266	*INDUSTRIAL HEMP	3
WSE 351	ADVANCED CAD: COMPUTER AIDED DESIGN	3
WSE 352	CAM FOR THE CNC ROUTER AND LASER ENGRAVER	3
WSE 392	*BAMBOOLOOZA: THE FASCINATING WORLD OF BAMBOO	3
WSE 414	^ART AND DESIGN CAPSTONE	4

Approved Area of Concentration

A 24-credit program of study proposed by the student and approved by the WSE Department Head, including 12 upper division studio credits plus 12 credits of Restricted Electives from the list below.

Code	Title	Hours
Restricted Electives		
ART 101	*INTRODUCTION TO THE VISUAL ARTS	12
ART 121	DIGITAL CORE STUDIO	
ART 208	*INTRODUCTION TO ASIAN ART	
ART 215	COLOR IN THE VISUAL ARTS	
ART 263	DIGITAL PHOTOGRAPHY	
ART 310	*EARLY CHINESE ART AND ARCHAEOLOGY	
ART 311	*LATE CHINESE ART AND CULTURE	
ART 313	*ART OF JAPAN	
ART 331	DRAWING CONCEPTS	
ART 351	INSTALLATION	
ART 367	*HISTORY OF DESIGN	
WSE 350	SECONDARY PRODUCTS DESIGN AND MANUFACTURING	
WSE 413	WOODTURNING WITH SCIENCE II	

or ART 413	WOODTURNING WITH SCIENCE II
WSE 450	ENTREPRENEURIAL PRODUCT DEVELOPMENT I
WSE 451	ENTREPRENEURIAL PRODUCT DEVELOPMENT II
WSE 499	SPECIAL TOPICS (Peru Study Abroad)

Total Hours 91

* Baccalaureate Core Course (BCC)

^ Writing Intensive Course (WIC)

Baccalaureate Core Courses

Not satisfied by the Renewable Materials core or the option.

Courses meeting other Baccalaureate requirements for the following categories not specified by the Renewable Materials Core or the option can be found in the OSU Catalog online at <https://catalog.oregonstate.edu/>

Code	Title	Hours
	Lifetime Fitness	3
	Cultural Diversity (If not met by a Restricted Elective)	3
	Difference, Power, and Discrimination	3
	Western Culture OR Social Processes and Institutions	3
	Contemporary Global Issues	3
Total Hours		15

Plus additional Free Electives sufficient to ensure 180 total credits (60 must be upper division)

Note: Completion of the A&D option and meeting additional studio and grade requirements will fulfill the requirements for a transcript-visible Visual Arts minor.

Course	Title	Hours
First Year		
Fall		
CH 121	GENERAL CHEMISTRY	5
COMM 111 or COMM 114	*PUBLIC SPEAKING or *ARGUM AND CRITICAL DISCOUF	3
FOR 111	INTRODUCTION TO FORESTRY	3
MTH 111	*COLLEGE ALGEBRA (If math placement not high enough for MTH 245 or Free elective (3-4))	4
Hours		15
Winter		
ART 115	2-D CORE STUDIO	4
CH 122	*GENERAL CHEMISTRY	5

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MTH 245	*MATHEMATICS FOR MANAGEMENT, LIFE, AND SOCIAL SCIENCES	4
WR 121	*ENGLISH COMPOSITION	3
WSE 111	RENEWABLE MATERIALS FOR A GREEN PLANET	2
Hours		18

Spring

ART 117	3-D CORE STUDIO	4
ART 131	DRAWING CORE STUDIO	4
DSGN 121	COMPUTER AIDED DESIGN	3
FOR 112	COMPUTING APPLICATIONS IN FORESTRY	3
HHS 231	*LIFETIME FITNESS FOR HEALTH	2
Physical Activity Course		1
Hours		17

Second Year

Fall

ART 234	DRAWING II/FIGURE	4
FES 240	*FOREST BIOLOGY	4
WSE 211	WOODTURNING WITH SCIENCE I	4
WSE 250	CAD: COMPUTER AIDED DESIGN	3
Hours		15

Winter

ST 201	PRINCIPLES OF STATISTICS	4
WR 214 or WR 327	*WRITING IN BUSINESS or *TECHNICAL WRITING	3
WSE 210	*RENEWABLE MATERIALS TECHNOLOGY AND UTILIZATION	4
Restricted Elective (3-4)		3-4
Hours		14-15

Spring

ART 291	SCULPTURE I	4
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ST 202	PRINCIPLES OF STATISTICS	4
WSE 225	PRINCIPLES OF ARCHITECTURAL DESIGN WITH RENEWABLE MATERIALS	3
WSE 266	*INDUSTRIAL HEMP	3
Hours		14

Third Year

Fall

WSE 320	ANATOMY OF RENEWABLE MATERIALS	3
WSE 321	CHEMISTRY OF RENEWABLE MATERIALS	3
Cultural Diversity Baccalaureate Core course (3-4)		3-4
Literature and the Arts Baccalaureate Core course (3-4)		3-4
Restricted Elective (3-4)		3-4
Hours		15-18

Winter

WSE 322	PHYSICAL AND MECHANICAL PROPERTIES OF RENEWABLE MATERIALS	4
WSE 392	*BAMBOOLOOZA: THE FASCINATING WORLD OF BAMBOO	3
Difference, Power, and Discrimination Baccalaureate Core course (3-4)		3-4
Social Processes and Institutions Baccalaureate Core course (3-4)		3-4
Restricted Elective (3-4)		3-4
Hours		16-19

Spring

WSE 324	RENEWABLE MATERIALS LABORATORY	3
WSE 351	ADVANCED CAD: COMPUTER AIDED DESIGN	3
Restricted Elective (3-4)		3-4
Restricted Elective (3-4)		3-4
Hours		12-14

Fourth Year

Fall

WSE 352	CAM FOR THE CNC ROUTER AND LASER ENGRAVER	3
WSE 465	RENEWABLE MATERIALS MANUFACTURING EXPERIENCE	2
Upper Division Art Studio course (4)		4

Elective (3-4)		3-4
Elective (3-4)		3-4
	Hours	15-17
Winter		
WSE 413 or ART 413	WOODTURNING WITH SCIENCE II or WOODTURNING WITH SCIENCE II	4
WSE 414	*ART AND DESIGN CAPSTONE	4
WSE 453	*FOREST PRODUCTS BUSINESS	3
Upper Division Art Studio Course (4)		4
	Hours	15
Spring		
Upper-Division Art Studio Course (4)		4
Contemporary Global Issues Baccalaureate Core (3)		3
Elective (3-4)		3-4
Elective (3-4)		3-4
	Hours	13-15
	Total Hours	179-192

Option Code: 478