

Bachelor of Fine Arts in Metals/Jewelry/CAD-CAM with Entrepreneurial Studies

Metals/Jewelry/CAD-CAM with Entrepreneurial Studies

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This program stresses the use of traditional techniques and materials in relation to their historical significance while encouraging the use of new technologies in the advanced courses. The assignments are focused on the design and creation of jewelry, functional forms, tableware, furniture, lighting, toys, and product design, to name a few. Along with teaching studio practices centered around the utilization of metal, plastics, and composite materials, the curriculum integrates the technologies of digital practices as they relate to three-dimensional form realization, and includes computer-aided-design, computer-aided manufacture and 3D printing technologies.

Designed to complement the studio experience with tools to support a studio practice or pursue graduate studies, the Entrepreneurship coursework enhances students' career options. Graduates of this degree program will possess requisite business skills to support themselves as visual artists or entrepreneurs in art and related fields.

Degree Requirements

The Bachelor of Fine Arts degree in Metals/Jewelry/CAD-CAM with Entrepreneurial Studies may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 126 semester hours of credit with a minimum cumulative GPA of 2.00. All Metals/Jewelry/CAD-CAM with Entrepreneurial Studies majors must complete the BFA with Entrepreneurial Studies curriculum (<http://bulletin.temple.edu/undergraduate/tyler-art/bachelor-fine-arts/bfa-entrepreneurship>) and General Education (<http://bulletin.temple.edu/undergraduate/general-education>) requirements.

- Students must earn a C- or better in CRFT 2453, and CRFT 2433 or CRFT 3433 to enter the Metals/Jewelry/CAD-CAM with Entrepreneurial Studies major.
- The required Junior/Senior studio courses and CRFT 4496 (capstone) must be completed with a C- or better to fulfill major requirements.

The faculty encourages taking Metals/Jewelry/CAD-CAM courses in excess of the minimum required. These additional courses count towards required studio electives.

Major Requirements for B.F.A. in Metals/Jewelry/CAD-CAM with Entrepreneurial Studies

Code	Title	Credit Hours
Sophomore Prerequisite		
CRFT 2453	Jewelry	3
CRFT 2433 or CRFT 3433	CAD/CAM I Computer-Aided-Design/Computer-Aided-Manufacture ¹ CAD/CAM I Computer-Aided-Design/Computer-Aided-Manufacture	3
Junior Requirements		
CRFT 3465	Junior Metalsmithing (fall only)	3
CRFT 3466	Junior Metalsmithing (spring only)	3
One specialized Metals course (see list below)		3
CRFT 2434 or CRFT 3434	CAD/CAM II Computer-Aided-Design/Computer-Aided-Manufacture CAD/CAM II Computer-Aided-Design/Computer-Aided-Manufacture	3
Senior Requirements		
CRFT 4463	Senior Metals and Plastics (fall only)	3
CRFT 4464	Senior Metals and Plastics (spring only)	3
One specialized Metals course (see list below)		3
CRFT 4496	Business Practices in Crafts (Capstone, WI, spring only)	3

¹ CRFT 2453 Jewelry is a prerequisite for CRFT 2433 CAD/CAM I Computer-Aided-Design/Computer-Aided-Manufacture, but both can be taken concurrently.

Specialized Metals/Jewelry/CAD-CAM (MJC-C) Courses

Code	Title	Credit Hours
CRFT 2408	Electroforming Workshop	3
CRFT 3408	Electroforming Workshop	3
CRFT 2409	Color in Metals	3
CRFT 3409	Color in Metals	3
CRFT 2413	Machine Tool Processes	3
CRFT 2415	Production Processes	3
CRFT 3415	Production Processes	3
CRFT 2475	Casting	3
CRFT 2476	Casting	3
CRFT 3407	Plastics for Jewelry	3
CRFT 3435	Advanced CAD/CAM	3
CRFT 3457	Plastics for Jewelry and Objects	3
CRFT 3459	Metalsmithing	3
CRFT 3463	Enameling	3
CRFT 3467	Tyler Metals Workshop, England/Scotland	6
CRFT 3471	Lapidary and Stone Setting	3
CRFT 3479	Photo Processes and Etching Jewelry	3
CRFT 4435	Rapid Prototyping	3
CRFT 4436	Rapid Prototyping	3
CRFT 4471	Senior Seminar in Metals	3
CRFT 4485	Field Internship Metals/Jewelry/CAD-CAM	3

Entrepreneurship Requirements

Code	Title	Credit Hours
Select three of the following:		9
SGM 3002	Be Your Own Boss: Planning to Start Your Own Business	
SGM 3501	Entrepreneurial and Innovative Thinking	
SGM 3503	Lean Startup: Fast & Frugal Approaches to High-Impact New Ventures, Product Invention, & Innovation	
SGM 3504	Ready, Fire, Aim: Launching a Profitable Micro-venture in 100 Days	
SGM 3511	Doing Well by Doing Good: Where Innovation and Entrepreneurship Meet Social Impact	
SGM 3521	Finance Your Ideas: Crowdfunding, Grants, Banks, Venture Funds, Corporate and Private Investment	
SGM 3580	Special Topics - Strategic Management	
SGM 3585	Incubator Internship: Contribute, Connect and Learn as a Part of the Entrepreneurial Ecosystem	
or SGM 3685	New Venture Internship: Learning to be a High-Value Employee, Manager, or Founder	
Select one of the following: ¹		3
CRFT 3185	Field Internship in Ceramics	
CRFT 3285	Field Internship in Glass	
CRFT 3385	Field Internship in Fibers	
CRFT 4485	Field Internship Metals/Jewelry/CAD-CAM	
CRFT 4496	Business Practices in Crafts (WI)	
GAD 3053	Art Careers Promotion	
GAD 3096	The Business of Design (WI)	
GAD 3185	Field Internship	
GAD 3896	Art Career Workshop (WI)	
PDS 4585	Field Internship	
TYLE 3211	Creative Cottage Industrialist	

TYLE 4285	Rome Internship	
Total Credit Hours		12

¹ These courses cannot fulfill both a requirement for the major and for this category.

Suggested Academic Plan

Please note that this is a **suggested** academic plan. Depending on your situation, your academic plan may look different.

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Requirements for New Students starting in the 2018-2019 Academic Year

Year 1		Credit Hours
Fall		
FDPR 1511	Foundation Drawing ¹	3
FDPR 1521	2D Foundation Principles	3
FDPR 1531	3D Foundation Principles/W	3
FDPR 1501	Introduction to Art and Design	1
ARTH 1155 or 1955	Arts of the World I: Prehistoric to 1300	3
ENG 0802, 0812, or 0902	Analytical Reading and Writing [GW]	4
Term Credit Hours		17
Spring		
FDPR 1512	Foundation Drawing	3
FDPR 1522	2D Foundation Principles	3
FDPR 1532	3D Foundation Principles/C	3
FDPR 1502	Investigations of Art and Design	1
ARTH 1156 or 1956	Arts of the World II: 1300 to the 21st Century ¹	3
IH 0851 or 0951	Intellectual Heritage I: The Good Life [GY]	3
Term Credit Hours		16
Year 2		
Fall		
CRFT 2453	Jewelry	3
Select two of the following:		6
CRFT 2000-2999 Sophomore Studio Elective		
GAD 2000-2999 Sophomore Studio Elective		
PDS 2000-2999 Sophomore Studio Elective		
IH 0852 or 0952	Intellectual Heritage II: The Common Good [GZ]	3
GenEd Quantitative Literacy Course [GQ]		4
Term Credit Hours		16
Spring		
CRFT 2433 or 3433	CAD/CAM I Computer-Aided-Design/Computer-Aided-Manufacture	3
Select one of the following:		3
CRFT 2000-2999 Sophomore Studio Elective		
GAD 2000-2999 Sophomore Studio Elective		
PDS 2000-2999 Sophomore Studio Elective		
Select one of the following:		3
SGM 3002	Be Your Own Boss: Planning to Start Your Own Business	
SGM 3501	Entrepreneurial and Innovative Thinking	
SGM 3503	Lean Startup: Fast Frugal Approaches to High-Impact New Ventures, Product Invention, Innovation	
SGM 3504	Ready, Fire, Aim: Launching a Profitable Micro-venture in 100 Days	
SGM 3511	Doing Well by Doing Good: Where Innovation and Entrepreneurship Meet Social Impact	
SGM 3521	Finance Your Ideas: Crowdfunding, Grants, Banks, Venture Funds, Corporate and Private Investment	
SGM 3580	Special Topics - Strategic Management	
SGM 3585	Incubator Internship: Contribute, Connect and Learn as a Part of the Entrepreneurial Ecosystem	

SGM 3685	New Venture Internship: Learning to be a High-Value Employee, Manager, or Founder	3
GenEd Breadth Course		3
GenEd Breadth Course		3
Term Credit Hours		15
Year 3		
Fall		
CRFT 3465	Junior Metalsmithing (fall only)	3
Specialized MJC-C Course		3
Select one of the following (not previously chosen):		3
SGM 3002	Be Your Own Boss: Planning to Start Your Own Business	
SGM 3501	Entrepreneurial and Innovative Thinking	
SGM 3503	Lean Startup: Fast Frugal Approaches to High-Impact New Ventures, Product Invention, Innovation	
SGM 3504	Ready, Fire, Aim: Launching a Profitable Micro-venture in 100 Days	
SGM 3511	Doing Well by Doing Good: Where Innovation and Entrepreneurship Meet Social Impact	
SGM 3521	Finance Your Ideas: Crowdfunding, Grants, Banks, Venture Funds, Corporate and Private Investment	
SGM 3580	Special Topics - Strategic Management	
SGM 3585	Incubator Internship: Contribute, Connect and Learn as a Part of the Entrepreneurial Ecosystem	
SGM 3685	New Venture Internship: Learning to be a High-Value Employee, Manager, or Founder	
Art History Elective ²		4
GenEd Breadth Course		3
Term Credit Hours		16
Spring		
CRFT 3466	Junior Metalsmithing (spring only)	3
CRFT 2434 or 3434	CAD/CAM II Computer-Aided-Design/Computer-Aided-Manufacture	3
Select one of the following (not previously chosen):		3
SGM 3002	Be Your Own Boss: Planning to Start Your Own Business	
SGM 3501	Entrepreneurial and Innovative Thinking	
SGM 3503	Lean Startup: Fast Frugal Approaches to High-Impact New Ventures, Product Invention, Innovation	
SGM 3504	Ready, Fire, Aim: Launching a Profitable Micro-venture in 100 Days	
SGM 3511	Doing Well by Doing Good: Where Innovation and Entrepreneurship Meet Social Impact	
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SGM 3685	New Venture Internship: Learning to be a High-Value Employee, Manager, or Founder	
Art History Elective WI ³		4
GenEd Breadth Course		3
Term Credit Hours		16
Year 4		
Fall		
CRFT 4463	Senior Metals and Plastics (fall only)	3
Specialized MJC-C Course		3
CRFT, GAD, or PDS 2000+ Studio Elective		3
GenEd Breadth Course		3
Open Elective ²		3
Term Credit Hours		15
Spring		
CRFT 4464	Senior Metals and Plastics	3
CRFT 4496	Business Practices in Crafts [WI]	3
CRFT, GAD or PDS 2000+ Studio Elective		3
Select one of the following: ⁴		3
CRFT 3185	Field Internship in Ceramics	
CRFT 3285	Field Internship in Glass	

CRFT 3385	Field Internship in Fibers	
CRFT 4485	Field Internship Metals/Jewelry/CAD-CAM	
CRFT 4496	Business Practices in Crafts [WI]	
GAD 3896	Art Career Workshop [WI]	
GAD 3053	Art Careers Promotion	
GAD 3096	The Business of Design [WI]	
GAD 3185	Field Internship	
PDS 4585	Field Internship	
TYLE 3211	Creative Cottage Industrialist	
TYLE 4285	Rome Internship	
GenEd Breadth Course		3
Term Credit Hours		15
Total Credit Hours:		126

- 1 These 2 courses constitute the waiver for the GenEd Arts category if the courses are completed with a C- or better.
- 2 Students completing a 3-credit Art History 2000+ elective must select a 4-credit open elective to reach the minimum 126 credits to earn the BFA degree.
- 3 Students completing a Tyler WI entrepreneurship course may elect a non-WI Art History course.
- 4 These courses cannot fulfill both a requirement for the major and a requirement for this category.

Please Note: An approved study abroad program waives the GenEd Global/World Society (GG) requirement; however, these credits must be made up with academic coursework taken outside of Tyler departments to be in compliance with BFA accreditation. BFA majors interested in studying abroad should consult with an academic advisor to determine if a semester (generally spring semester of second year) or a summer program would be the best option to remain on track for graduation.