

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

Metals/Jewelry/CAD-CAM with Entrepreneurial Studies

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The Bachelor of Fine Arts (BFA) in Metals/Jewelry/CAD-CAM Program at the Tyler School of Art and Architecture, recognized as a national leader in the discipline, offers students access to world-class facilities, emergent technology and mentorship.

Students learn both traditional techniques and cutting-edge digital practice and theory in jewelry, metals and computer-aided design and computer-aided manufacturing (CAD-CAM, one of several technologies pioneered for use in metals at Tyler).

Students have access to the resources of Temple, a large, public research university, and Philadelphia, a premier center of jewelry making and a home base for exploring museums and galleries. Leveraging the expertise and professional networks of Tyler faculty—all practicing artists and leaders in the field—students find internships and connect with the regional and national metals and jewelry community.

Tyler students graduate with a broad base of knowledge, critical thinking skills and the technological proficiency needed for success in the jewelry industry, artistic practice or top graduate schools. The proof is in the long list of Tyler MJCC alumni who are thriving at employers ranging from David Yurman to Tiffany & Co.

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 General Education (<http://bulletin.temple.edu/undergraduate/general-education>) requirements.

- Students must earn a C- or better in ART 2401, and ART 2402 or ART 3402 to enter the Metals/Jewelry/CAD-CAM with Entrepreneurial Studies major.
- The required Junior/Senior studio courses and ART 4096 (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		
ART 2401	Jewelry	3
ART 2402 or ART 3402	CAD/CAM I Computer-Aided-Design/Computer-Aided-Manufacture ¹ CAD/CAM I Computer-Aided-Design/Computer-Aided-Manufacture	3
Junior Requirements		
ART 3406	Junior Metalsmithing (fall only)	3
ART 3407	Junior Metalsmithing (spring only)	3
	One specialized Metals course (see list below)	3
ART 2404 or ART 3404	CAD/CAM II Computer-Aided-Design/Computer-Aided-Manufacture CAD/CAM II Computer-Aided-Design/Computer-Aided-Manufacture	3
Senior Requirements		
ART 4401	Senior Metals and Plastics (fall only)	3

ART 4402	Senior Metals and Plastics (spring only)	3
One specialized Metals course (see list below)		3
ART 4096	Business Practices in Crafts (Capstone, WI, spring only)	3

¹ ART 2401 Jewelry is a prerequisite for ART 2402 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
ART 2408	Electroforming Workshop	3
ART 3408	Electroforming Workshop	3
ART 2412	Color in Metals	3
ART 3412	Color in Metals	3
ART 2405	Machine Tool Processes	3
ART 2411	Production Processes	3
ART 3411	Production Processes	3
ART 2407	Casting	3
ART 2414	Casting	3
ART 3414	Plastics for Jewelry	3
ART 3405	Advanced CAD/CAM	3
ART 2409	Plastics for Jewelry and Objects	3
ART 3409	Plastics for Jewelry and Objects	3
ART 3417	Metalsmithing	3
ART 3413	Enameling	3
ART 3415	Lapidary and Stone Setting	3
ART 3416	Photo Processes and Etching Jewelry	3
ART 4404	Rapid Prototyping	3
ART 4405	Rapid Prototyping	3
ART 4403	Senior Seminar in Metals	3
ART 3085	Field Internship	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 and Inexpensive Ways to Test and Launch Your Ideas	
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
ART 3085	Field Internship	
ART 3796	Art Career Workshop	
GAD 3053	Art Careers Promotion	
GAD 3096	The Business of Design (WI)	
GAD 3185	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 2019-2020 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		
ART 2401	Jewelry	3
ART or GAD 2000-2999	Sophomore Studio Elective	3
ART or GAD 2000-2999	Sophomore Studio Elective	3
IH 0852 or 0952	Intellectual Heritage II: The Common Good [GZ]	3
GenEd Quantitative Literacy Course [GQ]		4
Term Credit Hours		16
Spring		
ART 2402 or 3402	CAD/CAM I Computer-Aided-Design/Computer-Aided-Manufacture	3
ART or GAD 2000-2999	Sophomore Studio Elective	3
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 and Inexpensive Ways to Test and Launch Your Ideas	
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	
GenEd Breadth Course		3
GenEd Breadth Course		3
Term Credit Hours		15

Year 3**Fall**

ART 3406	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 and Inexpensive Ways to Test and Launch Your Ideas	
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

ART 3407	Junior Metalsmithing	3
ART 2404 or 3404	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 and Inexpensive Ways to Test and Launch Your Ideas	
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 WI ³		4
GenEd Breadth Course		3
	Term Credit Hours	16

Year 4**Fall**

ART 4401	Senior Metals and Plastics	3
ART 4096	Business Practices in Crafts [WI]	3
Specialized MJC-C Course		3
GenEd Breadth Course		3
Open Elective ²		3
	Term Credit Hours	15

Spring

ART 4402	Senior Metals and Plastics	3
ART or GAD 2000+ Studio Elective		3
ART or GAD 2000+ Studio Elective		3
Select one of the following: ⁴		3
ART 3085	Field Internship	
ART 3796	Art Career Workshop [WI]	
GAD 3053	Art Careers Promotion	
GAD 3096	The Business of Design [WI]	
GAD 3185	Field Internship	
TYLE 3211	Creative Cottage Industrialist	

TYLE 4285	Rome Internship	3
GenEd Breadth Course		15
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.