

**Collin County Community College District
APPLICATION FOR SABBATICAL LEAVE**



Instructions

Please complete this application by responding to all items. Attach requested documentation (in the order requested) and secure the appropriate signatures prior to submitting the application to the chair of the Sabbatical Leave Committee. **Please submit the original and 10 copies.**

Chris Tinnen 110742415
Name _____ CWID _____
Professor of Art Academic Affairs
Title _____ Division _____

Have you ever been granted a sabbatical? ☐ If yes: Dates of Prior Sabbatical(s): _____
Please provide a brief description of your previous sabbatical project:

Sabbatical Leave Period Being Requested

Dates: Beginning Date August 2021 Ending Date December 2021
Length: ☒ One semester ☐ Two semesters ☐ Other _____

Applicant's Agreement

ABSTRACT

Please give a summary description of the project and its significance in improving teaching and learning at Collin College. Please use language that can be readily understood by persons in areas of expertise other than your own. **PLEASE DO NOT EXCEED SPACE PROVIDED BELOW.**

The purpose of the proposed project is to complete the American Welding Society Certified Welding Inspector (CWI) and Certified Welding Educator (CWE) Seminar and Certifications. Though my MFA and related experience has been sufficient to complete many welding projects, this program will expand my technical knowledge. These industry recognized credentials, will confirm my ability, talent and knowledge to direct and perform operations associated with welder training and classroom instruction. Collin currently offers welding courses at other campuses. With this training, we would be able to expand course offerings from the Texas Workforce Education Course Manual at the Frisco campus. This opens opportunities for our students, who wish to pursue careers in welding, and allows additional flexibility in course availability and scheduling. Additionally, these credentials assure the highest standards of professional development and training.

Collin College
Sabbatical Leave Proposal
Chris Tinnen, Professor of Art

Objectives and Methods:

I will complete coursework, seminars and testing to receive the Certified Welding Inspector certification (CWI) and Certified Welding Educator (CWE) certification from the American Welding Society. The CWE certification is geared for industry professionals specializing in welding education. The required course materials and testing for CWE is covered by the CWI certification, and the two may be earned simultaneously. The training to receive these certifications will involve the following steps:

1. Membership in the American Welding Society – This membership provides access to professional support, education and training opportunities, and AWS publications. Courses completed for this proposal are discounted with membership. Those discounts far exceed the cost of membership.
2. Certified Welder test - The Certified Welder (CW) program tests welders to procedures used in the structural steel, petroleum pipelines, sheet metal, and chemical refinery welding industries. This test is required to receive the CWI/CWE certifications
3. CWI Pre-Seminar - The CWI Pre-Seminar is a comprehensive overview of the fundamental concepts and principles that every CWI needs to know. This self-paced, online program contains 80 hours of instruction specifically designed to provide a deeper understanding of the extensive body of knowledge covered in the fundamentals portion of the AWS Certified Welding Inspector exam.
4. CWI Seminar and exam. This seminar is designed to provide preparation for the CWI exam. After completion of the seminar The CWI exam tests fundamental knowledge, practical inspection, and codebook navigation.

Rationale:

With increasing expansion of workforce certifications and course offerings at Collin, our students will benefit by having professors with extensive knowledge of industry requirements. These certifications will insure the highest standards of education for our students. In addition, by obtaining these credentials, Collin will be able to expand its capacity in the growing workforce area. Though I have a Master of Fine Arts degree with metalsmithing specialization, these certifications will solidify and expand my credentials for industrial application of welding and metallurgy technology. I currently teach ARTS 2341-Metals. This is a studio art course that introduces metalsmithing using basic techniques in jewelry design and metal construction. The course provides instruction and practical fabrication experience

as it relates to the design and production of small-scale functional and/or non-functional objects. The course is focused on non-ferrous metals. In my professional art practice, I work with non-ferrous metals like those my current students utilize. I also work extensively with ferrous metals such as steel and stainless steel, extending from my background in a MFA program that emphasized both ferrous and nonferrous metal practice. The AWS certifications focus primarily on ferrous metals. These seminars will allow me to bring the knowledge of ferrous metal work into the classroom. This will not only benefit the students of ARTS 2341, but also allow other course offerings focused on ferrous metals. Many of the WLDG courses in the Collin Metal Arts Workforce program focus on the working of these metals.

Summary Timetable:

August 2021 Certified Welder testing

September 2021 – CWI Pre-Seminar

November 2021 – CWI Seminar and Exam

Bibliography:

“American Welding Society.” *American Welding Society*, <http://www.aws.org>.

“Collin College.” *Metal Arts – Collin College*,
http://www.collin.edu/academics/programs/WLDG_MetalArts_1Overview.html

“Texas Higher Education Coordinating Board.” *THECB -Home*,
<https://www.highered.texas.gov/>

Bohnart, Edward. *Welding: Principles and Practices*. McGraw-Hill Education

A.S.M. International. *ASM Handbooks Set*. 2010

Resources:

Collin College Credential Reimbursement Program

Metal Arts

Metal Arts is a craft that is highly valued in both the industrial and the artistic worlds. Metal Arts Welders who graduate from Collin College's program will be prepared to earn a job or go into business for themselves, providing a service that is always in high demand.

Collin College offers an associate of applied science in Metal Arts, an OSA in metalsmithing, two level 1 certificates, and one level 2 certificate. The AAS will allow you to earn a degree in Metal Arts, while the certificates are designed to qualify you in specific processes such as Metalsmithing, Foundry, Metal Sculpture, and Metal Arts.

If your program requires a criminal background check, your placement in a required clinical site, cooperative, practicum, internship, and/or licensure/certification opportunity may be impacted. If you have any questions or concerns, please contact your program director and check with your licensing/certifying entity, if any, to determine your status.

The Metal Arts program will be housed at the Allen Technical Center. The department has a foundry and TIG, MIG and stick welders.

Students planning to transfer to a college or university should check with the Collin academic advisors. Also check the degree requirement of the intended transfer college prior to beginning this program to verify course degree applicability.

AAS – Metal Arts

60 credit hours

FIRST YEAR

First Semester

WLDG	1308	Metal Sculpture
WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)
WLDG	1430	Introduction to Gas Metal Arc Welding (GMAW)
WLDG	1434	Introduction to Gas Tungsten Arc (GTAW) Welding

Second Semester

WLDG	1371	Introduction to Foundry Practices
WLDG	1401	Metalsmithing
WLDG	2447	Advanced Gas Metal Arc Welding (GMAW)
WLDG	2451	Advanced Gas Tungsten Arc Welding (GTAW)

SECOND YEAR

First Semester

<u>GEN ED</u>		<u>Humanities / Fine Arts</u> course
<u>GEN ED</u>		<u>Mathematics</u> course
WLDG	1405	Art Metals
WLDG	2471	Advanced Foundry Practices

Second Semester

<u>ENGL</u>	<u>1301</u>	<u>Composition I</u>
<u>GEN ED</u>		<u>Social / Behavioral Sciences</u> course
<u>SPCH</u>	<u>1321</u>	<u>Business and Professional Communication</u> (See <u>Speech</u> options)
ARTS	2326	Sculpture

WLDG 2440 Advanced Metal Sculpture ¹ (Capstone)

1. May substitute WLDG 2480, with consent of Associate Dean

OSA – Metalsmithing

11 credit hours

FIRST YEAR

First Semester

WLDG	1401	Metalsmithing
WLDG	1405	Art Metals (Capstone)
WLDG	1308	Metal Sculpture

OSA – Metalsmithing

11 credit hours

FIRST YEAR

First Semester

WLDG	1401	Metalsmithing
WLDG	1405	Art Metals (Capstone)
WLDG	1308	Metal Sculpture

Certificate Level 1 – Metal Sculpture

22 credit hours

First Semester

WLDG	1308	Metal Sculpture
WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)
WLDG	1430	Introduction to Gas Metal Arc Welding (GMAW)
WLDG	1434	Introduction to Gas Tungsten Arc (GTAW) Welding

Second Semester

ARTS	2326	Sculpture
WLDG	2440	Advanced Metal Sculpture ¹ (Capstone)

1. May substitute WLDG 2480, with consent of Associate Dean

Certificate Level 2 – Metal Arts

45 credit hours

Students must be TSI complete.

FIRST YEAR

First Semester

WLDG	1401	Metalsmithing
WLDG	1308	Metal Sculpture
WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)
WLDG	1430	Introduction to Gas Metal Arc Welding (GMAW)

Second Semester

WLDG	1405	Art Metals
WLDG	1371	Introduction to Foundry Practices
WLDG	1434	Introduction to Gas Tungsten Arc (GTAW) Welding
WLDG	2447	Advanced Gas Metal Arc Welding (GMAW)

SECOND YEAR

First Semester

WLDG	2440	Advanced Metal Sculpture ¹ (Capstone)
ARTS	2326	Sculpture
WLDG	2471	Advanced Foundry Practices
WLDG	2451	Advanced Gas Tungsten Arc Welding (GTAW)

1. May substitute WLDG 2480, with consent of Associate Dean

Minimum Qualifications for Faculty Credentialing WLDG:

Associate's degree in discipline/qualifying field or be a certified welding instructor or hold current industry welding certification with a minimum of two years nonteaching work experience demonstrating proficiency in welding.

Welding; Metalsmithing; Welding Technology; Foundry Practices; Blacksmithing; Fabrication; Pipe Fitting; Millwright