

TWU BRIDGES Program Office
Texas Woman's University
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BRIDGES Program Student Manual

This document is prepared and presented as an informational guide only. Course offerings, fee schedules, and other representations provided are not controlling and are subject to change. Please refer to your most current community college and TWU catalogs for complete information. It is also important to ask your academic advisor about specific degree plans.

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Welcome

Congratulations! You have been admitted to the Texas Woman's University BRIDGES Program. We are excited about the opportunity to assist you in completing your studies at your community college and in making the transition to a baccalaureate degree granting school - hopefully Texas Woman's University (TWU).

Please remember to send official copies of all college transcripts to TWU as soon as possible. These are needed before you can sign up for the class this summer.

Please take the time to read this manual and familiarize yourself with the BRIDGES Program. Should you have any questions, you may contact your local Program Coordinator or Dr. Sarah McIntire, Project Director at (940) 898-2352. The local contact information for each community college is provided on page 5.

Again, we look forward to assisting you in attaining your educational and career goals.

Sincerely,

A handwritten signature in cursive script that reads "Sarah A. McIntire".

Dr. Sarah A. McIntire
BRIDGES Project Director

Mission Statement

It is the mission of the BRIDGES Program to assist students from ethnic groups who are under-represented in biomedical science to

- excel in science,
- successfully transfer to a four-year university or college,
- have a positive research experience, and
- develop the skills and motivation to pursue the Ph.D. degree and a career in biomedical science

BRIDGES Program Contacts

BRIDGES Program Director
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Texas Woman's University

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TWU BRIDGES Program
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BRIDGES Program Coordinator - TCC
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BRIDGES Program Coordinator – NCTC
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Chair, Science Dept, Rm 403A
North Central Texas College
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Gainesville, TX 76240-4699
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E-mail: lbellows@nctc.edu

BRIDGES Program Coordinator – CCCCD
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Benefits for BRIDGES Students

The BRIDGES Program benefits students by

- providing opportunities to learn about careers in biomedical research
- helping participants in the classroom during their freshman and sophomore years through individualized tutoring, advising, and peer support
- providing opportunities for participants to learn more about biomedical research (e.g. offering seminars, laboratory tours, a summer course experience, and other research related events)
- matching participants with individual faculty mentors to obtain direct research experience as part of a mentor's laboratory team
- helping participants enroll in a baccalaureate degree-granting institution – such as TWU – and pursue a career in biomedical research

Responsibilities

The BRIDGES award is made on a semester-by-semester basis typically for a two-year period. Your responsibilities as a BRIDGES student are to adhere to the codes of conduct of both the community college and TWU, as well as the following BRIDGES program guidelines of the NIH grant. As a BRIDGES student, you are to:

1. Visit your Program Coordinator at least once a week during your first semester in the program.
2. Develop good study habits, remain a student in good standing, earn and maintain a grade point average of at least 2.8 each semester.
3. Register for the courses necessary for you to complete an AA Degree in math and/or science at your community college.
4. Submit a copy of your course registration to your Program Coordinator at the start of each semester, and communicate with the coordinator about tutorial needs
5. Participate in the summer course at TWU entitled “Introduction to Biomedical Science”
6. Participate in research training at TWU during the summer and academic year (as much as possible)
7. Attend BRIDGES program activities
8. Cultivate a positive, “can do” attitude and support fellow BRIDGES students

“Those who choose to succeed always do better than those who never choose at all.”
Shad Helmstetter in “Choices”

Program Overview

What is the TWU BRIDGES Program?

This “BRIDGES Program” is a partnership between three community colleges and Texas Woman’s University (TWU) that is funded by the National Institutes of Health (NIH). The purpose of the program is to provide support for community college students from underrepresented groups. This support includes: assisting in the students’ excellence in science; assisting in the transition to a four year institution; providing a positive research experience; and supporting the development of skills and motivation necessary for the attainment of a Ph.D. degree and career in biomedical science.

What is “Biomedical Research”?

Research is a process of inquiry that leads to new knowledge and understanding of the world. Biomedical research involves the world of medicine.

What are the financial benefits of being a BRIDGES student?

As a BRIDGES student you will receive

- **financial assistance** for travel and tuition while attending a summer class at TWU entitled *Introduction to Biomedical Research*
- **free** tutoring for science and math classes, if needed
- **travel assistance** to participate in a research experience at TWU
- **wages** for conducting research at TWU

Registration

Guidelines for BRIDGES Student Registration

Students entering the community college as BRIDGES scholars are enrolled with the expressed intent of achieving a BS Degree at a four-year university or college in their chosen science after earning an AA Degree at the community college.

The AA degree requires completion of a minimum of 64 credit hours. These hours must include 45 hours of core curriculum courses. The general focus area of BRIDGES students is science and/or math. Individual degree choices will determine specific focus area courses. Always contact your Program Coordinator and your academic advisor before registering.

Checklist

TWU Admission (required to register for summer course)

1. _____ Submit official transcripts from each college attended to the TWU Admission's Office.
2. _____ Submit completed State of Texas Common Application for Transfer/Transient/Readmit to Texas Public Universities to the TWU Secretary.

Financial Aid

1. _____ If you need to apply for financial assistance, do so at your local Campus. Complete the financial aid application and submit it to the Financial Aid office.
2. _____ After you transfer to TWU, if you need to apply for financial assistance, do so at the TWU Financial Aid Office.
3. _____ BRIDGES participants are encouraged to apply for the Multi-ethnic Biomedical Research Support (MBRS) Program at TWU.

Counseling/Advising

1. _____ Attend the BRIDGES Orientation Session.
2. _____ Visit your Program Coordinator at least once a week during your first semester in the program. Thereafter, visit on an as needed basis.
3. _____ Meet with the other BRIDGES students in the peer support group monthly, or more often as needed.

Registering

1. _____ Meet with your academic advisor and Program Coordinator BEFORE registering each semester.
2. _____ Check your courses to see if there are pre-requisites, program restrictions or other information.
3. _____ Check the reservation fee statement you receive when you register for accuracy, fees due, payment deadlines, class locations, campus location and other information.
4. _____ If necessary, adjust your schedule BEFORE the deadline published in the schedule of classes.

Monthly Tasks

1. _____ Pick up a timesheet and travel form from BRIDGES Program Secretary located in GRB 227 (a sample form is found on page 19).
2. _____ Fill out the timesheet and travel form, sign it, get your mentor to sign it.
3. _____ Return the timesheet and travel form to the BRIDGES Program Secretary by the 15th of the month. Returning it later than the 15th will result in a month delay of payment.

TCC Suggested Course Outline

This curriculum is designed for students who plan to complete an Associate of Science degree at Tarrant County College and then transfer to Texas Woman's University to complete a Bachelor of Science in Biology. Students under this plan complete their core curriculum at TCC. Students interested in completing a math or science degree in another major are referred to the transfer hand book at: <http://www.twu.edu/admissions/transfer/tcc.htm> for requirements. Always consult your Academic Advisor before registering in any degree specific courses.

Associate of Science at Tarrant County College to Bachelor of Science in Biology at Texas Woman's University

First Year at Tarrant County College:

HOURS		HOURS	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 U.S. History to 1876	3	HIST 1302 U.S. History Since 1876	3
MATH 1314 College Algebra	3	BIOL 1407 OR BIOL 1307/1107	4
BIOL 1406 OR BIOL 1306/1106	4	CHEM 1412 General Chemistry II	4
CHEM 1411 General Chemistry I	3	MATH 1342 Elementary Statistics	3

Second Year at Tarrant County College:

HOURS		HOURS	
PHED 1164 Concepts of Physical Activity	1	GOVT 2306 Texas State and Local Gov.	3
GOVT 2305 U.S. Government	3	Humanities core course	3
SPCH core course	3	Social/Behavioral Studies	3
PHYS 1401 College Physics I	3	PHYS 1402 College Physics II	4
OR PHYS 2425	4	OR PHYS 2426	
Visual/Performing Arts core course	3	Elective	4

Third Year at Texas Woman's University:

HOURS		HOURS	
BOT 2111, 2113 Plant Biology	4	BACT 3111, 3113 Microbiology	4
CHEM 2211, 2213 Organic Chemistry I	4	CHEM 3221, 3223 Organic Chemistry II	4
Elective or Minor Elective	3	BIOL Elective (Upper Level)	3
Elective or Minor Elective	3	Elective or Minor Elective	2

Fourth Year at Texas Woman's University:

HOURS		HOURS	
BIOL 4813 Mol. & Cell. Biol: Gene Expression	3	BIOL 4823 Mol. & Cell. Biol: Inheritance	3
BIOL 4811 Mol. & Cell. Biol. Lab	1	BIOL 4821 Mol. & Cell. Biol. Lab	1
BIOL 4681 Undergraduate Seminar	1	ZOOL 4241, 4243 Mammalian Physiology	4
BIOL Elective (Upper Level)	3	Elective or Minor Elective	6
Elective or Minor Elective	4		

Total hours transferred from TCC: 67

Total hours needed at TWU: 53

Total Hours for degree: Minimum 120

NCTC Suggested Course Outline

This curriculum is designed for students who plan to complete an Associate of Science degree at North Central Texas College and then transfer to Texas Woman's University to complete a Bachelor of Science in Biology. Students under this plan complete their core curriculum at NCTC. Students interested in completing a math or science degree in another major are referred to the transfer hand book at: <http://www.twu.edu/admissions/transfer/nctc.htm> for requirements. Always consult your Academic Advisor before registering in any degree specific courses.

Associate of Science at North Central Texas College to Bachelor of Science in Biology Texas Woman's University

First Year at North Central Texas College:

HOURS		HOURS	
ENGL 1301 Grammar & Composition	3	ENGL 1302 Literature & Composition	3
HIST 1301 U. S. History to 1865	3	HIST 1302 U.S. History from 1865	3
BIOL 1413 General Zoology	4	BIOL 1411 General Botany	4
CHEM 1411 General Chemistry I	4	CHEM 1412 General Chemistry II	4
MATH 1314 College Algebra	3	MATH 1316 Trigonometry	3

Second Year at North Central Texas College:

HOURS		HOURS	
GOVT 2305 American National Gov.	3	GOVT 2306 American, State, & Local Gov.	3
ENGL 2--- Core course	3	PHYS 1402 or 2426 Physics II	4
PHYS 1401 or 2425 Physics I	4	Visual/Performing Arts core course	3
SPCH1315 or 1318	3	ECON 2301 Principles of Economics	4
PHED 1200 or 2 hours of activity courses	2	COSC 1400 Intro to Computers	4

Third Year at Texas Woman's University:

HOURS		HOURS	
BIOL 1113/1111 Principles of Biology	4	BACT 3111, 3113 Microbiology	4
CHEM 2211, 2213 Organic Chemistry I	4	CHEM 3221, 3223 Organic Chemistry II	4
Elective or Minor Elective	3	BIOL Elective (Upper Level)	3
Elective or Minor Elective	3	Elective or Minor Elective	3

Fourth Year at Texas Woman's University:

HOURS		HOURS	
BIOL 4813 Mol. & Cell. Biol: Gene Expression	3	BIOL 4823 Mol. & Cell. Biol: Inheritance	3
BIOL 4811 Mol. & Cell. Biol. Lab	1	BIOL 4821 Mol. & Cell. Biol. Lab	1
BIOL 4681 Undergraduate Seminar	1	ZOOL 4241, 4243 Mammalian Physiology	4
BIOL Elective (Upper Level)	4	Elective or Minor Elective	6
Elective or Minor Elective	4		

Total hours transferred from NCTC: 66

Total hours needed at TWU: 54

Total hours for degree: Minimum 120

CCCCD Suggested Course Outline

This curriculum is designed for students who plan to complete an Associate of Science degree at Collin County Community College and then transfer to Texas Woman's University to complete a Bachelor of Science in Biology. Students under this plan complete their core curriculum at CCCC. Students interested in completing a math or science degree in another major are referred to the transfer hand book at: <http://www.twu.edu/admissions/transfer/ccccd.htm> for requirements. Always consult your Academic Advisor before registering in any degree specific courses.

Associate of Science at Collin County Community College to Bachelor of Science in Biology at Texas Woman's University

First Year at Collin County Community College District:

HOURS		HOURS	
ENGL 1301 Composition / Rhetoric I	3	ENGL 1302 Composition/Rhetoric II	3
HIST 1301 U.S. History I	3	HIST 1302 U.S. History II	3
BIOL 1406 General Biology I	4	BIOL 1407 General Biology II	4
CHEM 1411 General Chemistry I	4	CHEM 1412 General Chemistry II	4
MATH 1314 College Algebra	3	MATH 1342 Statistics	3

Second Year at Collin County Community College District:

HOURS		HOURS	
GOVT 2301 American Government I	3	GOVT 2302 American Government II	3
COSC 1300 or Higher COSC course	3	Humanities	3
PHYS 1401 or 2425 Physics I	4	Social/Behavioral Sciences	3
SPCH 1311 or 1315	3	PHYS 1402 or 2425 Physics II	4
PHED / DANC Activity course	1	Visual/Performing Arts	3

Third Year at Texas Woman's University:

HOURS		HOURS	
BOT 2111, 2113 Plant Biology	4	BACT 3111, 3113 Microbiology	4
CHEM 2211, 2213 Organic Chemistry I	4	CHEM 3221, 3223 Organic Chemistry II	4
Elective or Minor Elective	3	BIOL Elective (Upper Level)	4
Elective or Minor Elective	4	Elective or Minor Elective	3

Fourth Year at Texas Woman's University:

HOURS		HOURS	
BIOL 4813 Mol. & Cell. Biol: Gene Expression	3	BIOL 4823 Mol. & Cell. Biol: Inheritance	3
BIOL 4811 Mol. & Cell. Biol. Lab	1	BIOL 4821 Mol. & Cell. Biol. Lab	1
BIOL 4681 Undergraduate Seminar	1	ZOOL 4241, 4243 Mammalian Physiology	4
BIOL Elective (Upper Level)	3	Elective or Minor Elective	6
Elective or Minor Elective	4		

Total hours transferred from CCCC: 64

Total hours at TWU: 56

Total hours for degree: 120

Texas Woman's University

Core Curriculum

<u>Content Area</u>	<u>Semester Credit Hours</u>
Composition English (Eng 1013 & Eng 1023)	6
Mathematics (College-Level Algebra, or above & Quantitative Literacy)	6
Natural Sciences	6
Humanities & Visual and Performing	
Visual or Performing Arts	3
Literature, philosophy, modern or classical language/literature and cultural studies	3
Social and Behavioral Sciences	
Must include:	
U.S. History (HIST 1013 & HIST 1023)	6
Political Science (GOVT 2013 & GOVT 2023)	6
Social/Behavioral Science	3

Additional semester credit hours

Multicultural Women's Studies	3
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Competencies (SACS mandated, effective Fall 2005)

Computer Literacy: Students must pass a designated computer science course or competency examination in computer literacy.

Oral Communications: Students must pass a designated speech course or document successful completion of two or more evaluated oral presentations.

STUDENT NAME: _____

MENTOR NAME: _____

SAMPLE BRIDGES STUDENT TIMESHEET
Please record all hours spent in research.
Please deliver or fax to the BRIDGES Office by May 15. Thank you.
FAX → (940) 898 - 2382

Month: June 16 - July 15, 2006

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	TOTAL
					16	17	
18	19	20	21	22	23	24	
25	26	27	28	29	30	1	
2	3	4	5	6	7	8	
9	10	11	12	13	14	15	

PLEASE INDICATE WHICH HOURS IF ANY WERE NOT SPENT AT TWU.

I AGREE THAT THE ABOVE HOURS ARE CORRECT, AND THAT ALL HOURS HAVE REQUIRED A TRIP TO TWU EXCEPT THOSE NOTED OTHERWISE.

STUDENT SIGNATURE: _____

DATE: _____

MENTOR SIGNATURE: _____

DATE: _____

How to get to TWU

The city of Denton sits at the top of a triangle, with Dallas to the southeast and Fort Worth to the southwest. TWU's high-rise buildings are visible for miles, so keep an eye out for them as you approach Denton.

From Dallas: Take Interstate I-35 to Denton, exiting at Loop 288 (Denton/McKinney exit) and follow the TWU signs to the University Drive exit. Turn left on University Drive. Follow University Drive to Bell Avenue, which runs through the heart of the TWU campus. Turn left on Bell Avenue. Turn right on Administration Drive and stop at the information booth, where you will find parking assistance and directions to the admissions office.

From Gainesville: Take Interstate I-35 south to Denton, exiting at University Drive. Proceed east on University Drive and travel to Bell Avenue. Turn right on Bell Avenue. Turn right on Administration Drive and stop at the information booth, where you will find parking assistance and directions to the admissions office.

From Fort Worth: Take Interstate 35W to Denton, exiting at University Drive (US 380). Turn right on University Drive. Follow University Drive to Bell Avenue, which runs through the heart of the TWU campus. Turn right on Bell Avenue. Turn right on Administration Drive and stop at the information booth, where you will find parking assistance and directions to the admissions office.

Additional information: US Highway 380 is the major east-west thoroughfare in Denton. Known in the city as University Drive, it borders the northern edge of the TWU campus.

