



**TRANSFER PATHWAY
(For Transfer to Texas Woman's University)
ASSOCIATE OF SCIENCE TO
BACHELOR OF SCIENCE IN BIOCHEMISTRY**

Catalog Year 2020-2021 You may use this pathway if you entered Dallas College on or before this date.

Career Path Engineering, Technology, Mathematics and Sciences

Available at All Campuses

TSI Must be Complete

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

An Associate of Science (AS) degree with courses in this pathway prepares you to transfer to Texas Woman's University (TWU) to earn a bachelor's degree that opens the door to a career in the medical field, engineering, research, industry, renewable energy and many more areas. Although there may be several options to fulfill certain requirements for the associate's degree, please note that this pathway lists the specific courses leading to this bachelor's degree. All plans can be modified to fit the needs of part-time students. This is not an official degree plan. Refer to catalog for official degree requirements. You must receive a GPA of at least 2.00 on all college-level course work. Students must earn at least 25% of the credit hours required for graduation through instruction by Dallas College. Contact your advisor for information.

AS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS

PATHWAY REQUIREMENTS

Total Hours: 10

The following are prerequisite courses to MATH 2413: **MATH 1314, MATH 1316 and MATH 2412**

CONSIDER COMPLETING BEFORE TRANSFER

MATH 2415, PHYS 2425, PHYS 2426, CHEM 2425 and ENVR 1401

SEMESTER 1

Total Hours: 14

ENGL 1301 – Composition I *This is a (CB 010) Core course. Must earn a grade of "C" or higher.*

EDUC 1300 – Learning Framework *All college students with fewer than 12 semester credit hours of successful college credit (grade of "C" or above) must take a student success course in the first semester.*

MATH 2413 – Calculus I *This is a (CB 020) Core course. Must earn a grade of "C" or higher. Prerequisites of MATH 1314, MATH 1316, and MATH 2412, prior to enrolling in the course.*

CHEM 1411 – General Chemistry I *This is a (CB 030) Core course. Prerequisite of MATH 1314, or equivalent academic preparation, prior to enrolling in the course.*

SEMESTER 2

Total Hours: 14

ENGL 1302 – Composition II *This is a (CB 010) Core course.*

MATH 2414 – Calculus II

CHEM 1412 – General Chemistry II *This is a (CB 030) Core course.*

HIST 1301 – United States History I *This is a (CB 060) Core course.*

SEMESTER 3

Total Hours: 6

HIST 1302 – United States History II* *This is a (CB 060) Core course.*

CHOOSE ONE: **ARTS 1304** – Art History II* *This is a (CB 050) Core course. OR*
DRAM 1310 – Theater Appreciation* *This is a (CB 050) Core course. OR*
MUSI 1306 – Music Appreciation* *This is a (CB 050) Core course.*

* There are several options to fulfill this requirement. Contact your academic advisor for a specific list.

SEMESTER 4

Total Hours: 15

CHEM 2423 – Organic Chemistry I*

BIOL 1406 – Biology for Science Majors I*

GOVT 2305 – Federal Government *This is a (CB 070) Core course.*

PHED 1164 – Introduction to Physical Fitness and Wellness* *This is a (CB 090) Core course.*

CHOOSE ONE: **ENGL 2332** – World Literature I* *This is a (CB 040) Core course. OR*
PHIL 1301 – Introduction to Philosophy* *This is a (CB 040) Core course. OR*
PHIL 2306 – Introduction to Ethics* *This is a (CB 040) Core course.*

* There are several options to fulfill this requirement. Contact your academic advisor for a specific list.

SEMESTER 5

Total Hours: 13

BIOL 1407 – Biology for Science Majors II*

GOVT 2306 – Texas Government *This is a (CB 070) Core course.*

SPCH 1311 – Introduction to Speech Communication* *This is a (CB 090) Core course.*

CHOOSE ONE: **ANTH 2346** – General Anthropology* *This is a (CB 080) Core course. OR*
ECON 2301 – Principles of Macroeconomics* *This is a (CB 080) Core course. OR*
PSYC 2301 – General Psychology* *This is a (CB 080) Core course. OR*
SOCI 1301 – Introduction to Sociology* *This is a (CB 080) Core course.*

* There are several options to fulfill this requirement. Contact your academic advisor for a specific list.

TEXAS WOMAN'S UNIVERSITY
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SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

For questions about the Texas Woman's University portion of this transfer pathway, contact the **Academic Advising Office at (940) 898-2551 or rsheardy@twu.edu**. It is best to apply to Texas Woman's University a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

SEMESTER 1

Total Hours: 14

CHEM 1001 – Horizons of Chemistry and Biochemistry I: Career Possibilities

PHYS 2153 & PHYS 2151 – General Physics I & General Physics Laboratory I

CHEM 3632 & CHEM 3633 – Biochemistry I and Biochemistry Laboratory

CHOOSE ONE: **CHEM 4313 & CHEM 4311** – Instrumental Analysis and Instrumental Analysis Laboratory **OR**

CHEM 4513 and CHEM 4511 – Inorganic Chemistry and Inorganic Chemistry Laboratory

SEMESTER 2

Total Hours: 12

CHEM 1101 – Horizons of Chemistry and Biochemistry II: Current Applications

PHYS 2163 & PHYS 2161 – General Physics II & General Physics Laboratory II

CHEM 3643 – Biochemistry II

CHEM 3333 & CHEM 3331 – Quantitative Chemical Analysis and Quantitative Chemical Analysis Laboratory

SEMESTER 3

Total Hours: 10

CHOOSE ONE: **CHEM 4513 & CHEM 4511** – Inorganic Chemistry & Inorganic Chemistry Laboratory **OR**

CHEM 4313 & CHEM 4311 – Instrumental Analysis and Instrumental Analysis Laboratory

CHEM 4981 – Undergraduate Research

CHEM 4981 – Undergraduate Research

CHEM 3413 & CHEM 3411 – Physical Chemistry I & Physical Chemistry I Laboratory

SEMESTER 4

Total Hours: 13

CHEM 3713 & CHEM 3711 – Environmental Chemistry I & Environmental Chemistry I Laboratory

CHEM 4983 – Undergraduate Research

CHEM 4001 Research Presentations in Chemistry and Biochemistry

CHEM 4991 – Senior Thesis

CHEM 3421 & CHEM 3423 – Physical Chemistry II and Physical Chemistry II Laboratory