

BA IN INFORMATION TECHNOLOGY DEGREE IN THREE ACADEMIC MAP

2022-2023 CATALOG YEAR

This is an unofficial simplified checklist effective Fall 2018. Degree requirements may change. You may need elective courses to help reach a minimum of 121 Total Hours & 42 Advanced Hours. Check with your advisor.

Must earn at least a grade of “C” in each course above except for most University Core courses.

INFORMATION TECHNOLOGY

(Bachelor of Arts (B.A.) degree with a major in Information Technology)

<p>Department of Computer Science & Engineering Discovery Park F-201; (940) 565-2767 Faculty Advisors: Dr. Ryan Garlick, Mr. David Keathly ryan.garlick@unt.edu, david.keathly@unt.edu</p>	<p>Engineering Advising Office Discovery Park A-101; (940) 565-4201 Academic Advisors: Heather Burrow, Beverly Wilks heather.burrow@unt.edu, beverly.wilks@unt.edu</p>
<p>University Core</p>	<p>Major Requirements (Grades with a C or better)</p>
<p><u>COMMUNICATION</u></p> <ul style="list-style-type: none"> ▪ 1 Course (3 Hours) ▪ Grade of “C” or better is required. <p><u>AMERICAN HISTORY I</u></p> <ul style="list-style-type: none"> ▪ 1 Course (3 Hours) <p><u>AMERICAN HISTORY II</u></p> <ul style="list-style-type: none"> ▪ 1 Course (3 Hours) <p><u>FEDERAL GOVERNMENT/POLITICAL SCIENCE</u></p> <ul style="list-style-type: none"> ▪ 1 Course (3 Hours) 	<p><u>COMPUTER SCIENCE and ENGINEERING</u></p> <ul style="list-style-type: none"> ▪ CSCE 1030, Computer Science I (4 Hours) ▪ CSCE 1040, Computer Science II (3 Hours) ▪ CSCE 2100, Computing Foundations I (3 Hours) ▪ CSCE 2110, Computing Foundations II (3 Hours) ▪ CSCE 3055, IT Project Management (3 hours) ▪ CSCE 3220, Human Computer Interfaces (3 Hours) ▪ CSCE 3420, Internet Programming (3 Hours) ▪ CSCE 3530, Introduction to Computer Networks (3 Hours) ▪ CSCE 3600, Principles of Systems Programming (3 Hours) ▪ CSCE 3605, Systems Administration (3 Hours)

STATE GOVERNMENT/POLITICAL SCIENCE

- 1 Course (3 Hours)

CREATIVE ARTS

- 1 Course (3 Hours)

LANGUAGE, PHILOSOPHY, & CULTURE

- 1 Course (3 Hours)

SOCIAL & BEHAVIORAL SCIENCES

- 1 Course (3 Hours)

Major Requirements (Grades of C or better)

TECHNICAL COMMUNIICATIONS

- TECM 2700, Technical Writing (3 Hours)

MATHEMATICS

- MATH 1710, Calculus I (4 Hours)
- MATH 1680 or MATH 1780, Probability (3 Hours)

SCIENCES

- PHYS 1710, Mechanics (3 Hours) & PHYS 1730, Mechanics Lab (1 Hour)
- CHEM 1410, General Chemistry I (3 Hours) & CHEM 1430, General Chemistry I Lab (1 Hour)
or
- CHEM 1415, Chemistry for Engineers (3 Hours) & CHEM 1435, Chemistry for Engineers Lab (1 Hour)
or
- BIOL 1710, Biology I (3 Hours) & BIOL 1760, Biology Lab (2 Hours)

- CSCE 3615, Enterprise Systems Arch., Analysis & Design (3 Hours)
- CSCE 4010, Social Issues in Computing (3Hours)
- CSCE 4350, Fundamentals of Database Systems (3 Hours)
- CSCE 4355, Database Administration (3 Hours)
- CSCE 4535, Network Administration (3 Hours)
- CSCE 4550, Introduction to Computer Security (3 Hours)
- CSCE 4905, Information Technology Capstone I (3 Hours)
- CSCE 4925, Information Technology Capstone II (3 Hours)

SUPPORTING AREA

- Course approved by an advisor (3 Hours)
- Course approved by an advisor (3 Hours)
- Course approved by an advisor (3 Hours)
- Course approved by an advisor (3 Hours)
- Course approved by an advisor (3 Hours)
- Course approved by an advisor (3 Hours)
- Course approved by an advisor (3 Hours)

You must choose a supporting area (21 Hours) & complete approved courses. Check with your advisor concerning approved classes. Suggestions include, but are not limited to:

- | | |
|-------------------------------|--------------------------------------|
| Security | Health Professions |
| Networking | Pre-Med/Pre-Vet/Pre-Dental |
| Information Systems | Pre-Law |
| Software/Web Development | Education/Teach North |
| Texas Game Development | Pre-MBA Business |
| Criminology/Forensics | General Business |
| Technical Communications | Management |
| Microsoft/Oracle/Cisco Cert. | Logistics |
| Graphic/Communications Design | |
| | Geographic Information Systems (GIS) |

Year 1 at UNT

FALL	Hrs.
MATH 1710 (see note 1)	4
CHEM 1410 or 1415 or BIOL 1710 (see note 2)	3
CHEM 1430 or 1435 or BIOL 1760 (see note 2)	1
CSCE 1030 (see note 3)	4
TECM 2700	3
<i>Total Hours</i>	<i>15</i>

SPRING	Hrs.
MATH 1680 or MATH 1780	3
PHYS 1710	3
PHYS 1730	1
CSCE 1040	3
Supporting area course (see note 4)	3
<i>Total Hours</i>	<i>15</i>

SUMMER	Hrs.
CSCE 2100	3
<i>Total Hours</i>	<i>3</i>

Year 2 at UNT

FALL	Hrs.
CSCE 2110	3
CSCE 3055	3
CSCE 3600	3
Supporting area course(see note 4)	3
Supporting area course(see note 4)	3
<i>Total Hours</i>	<i>15</i>

SPRING	Hrs.
CSCE 3530	3
CSCE 3605	3
CSCE 3615	3
CSCE 4010	3
CSCE 4350	3
<i>Total Hours</i>	<i>15</i>

Year 3 at UNT

FALL	Hrs.
CSCE 3220	3
CSCE 3420	3
CSCE 4535	3
CSCE 4355	3
CSCE 4550	3
<i>Total Hours</i>	<i>15</i>

SPRING	Hrs.
CSCE 4925	3
Supporting area course (see note 4)	3
Supporting area course (see note 4)	3
Supporting area course (see note 4)	3
Supporting area course (see note 4)	3
<i>Total Hours</i>	<i>15</i>

Required prerequisite (s) indicated in parentheses

Notes:

Note 1: MATH 1710 requires one of the following as prerequisite: completion of MATH 1650 with a grade of "C" or higher; or Freshman Math Group Level 3; or approval authorized by score via mathematics testing; or earned credit for a math course at or above the MATH 1710 level.

Note 2: BIOL 1710 & 1760 has no prerequisite. CHEM 1410 & 1430 requires MATH 1100, College Algebra (or higher) as prerequisite. CHEM 1415 & 1435 requires MATH 1650, Pre-Calculus (or higher) as prerequisite.

Note 3: CSCE 1030 requires completion of or co-enrollment in MATH 1710, Calculus I (or higher) as prerequisite.

Note 4: Must enroll in Supporting Area courses approved by an advisor & complete prerequisite(s) for approved courses.

<i>Credits Which Could Be Earned Prior to Enrollment at UNT –AP, IB, CLEP, DC, Transfer:</i>	<i>Credits Which Should Be Earned Prior to Enrollment at UNT –AP, IB, CLEP, DC, Transfer:</i>
Communications Core HIST 2610 HIST 2620 PSCI 2305 PSCI 2306 Creative Arts Core Language Philosophy Culture Core Social Behavioral Sciences Core	MATH 1650 Pre-Calculus (see note 1)

This is an unofficial sample schedule. Requirements, prerequisites, etc. may change. Students should meet with an advisor each semester for individual scheduling, program decisions, etc. Engineering admissions requirements must be met & a degree audit must be created in order to progress in the program to a timely graduation.