



Undergraduate Degree Map for Completion in Four Years

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|--------------------------------------|---|
| College: | College of Science, Engineering & Technology <input type="button" value="v"/> |
| Department: | Computer Information Science <input type="button" value="v"/> |
| Name of Program: | COMPUTER AND INFORMATION TECHNOLOGY <input type="button" value="v"/> |
| Degree Designation: | BS <input type="button" value="v"/> |
| Emphasis/Concentration: | <input type="text"/> <input type="button" value="v"/> |
| Option: | <input type="text"/> |
| Version: | 3 <input type="button" value="v"/> |
| Version Explanation: | Student must begin with MATH 098 |
| Type of Program: | Standard Major <input type="button" value="v"/> |
| Minor Required: | Yes <input type="button" value="v"/> |
| Specific Minor (if required): | Any non-computing minor |

Program Description:

Computer Information Technology (CIT) in its broadest sense encompasses all aspects of computing technology. CIT, as an academic discipline, focuses on meeting the needs of users within an organizational and societal context through the election, creation, application, integration and administration of computing technologies. The aim is to provide CIT graduates with the skills and knowledge to take on appropriate professional positions in Information Technology upon graduation and grow into leadership positions or pursue research or graduate studies in the field. The CIT program also has five minors.

Admission Requirements:

Admission to the CIT major is required before the student is permitted to take 300- and 400-level courses. Requirements for admission to IT program are:

- A minimum of 32 earned semester credits
- Completion of MATH 121 or MATH 181 with a grade of C or better
- Completion of ENG 101 with a grade of C or better
- Completion of IT 210, and IT 214 with a grade of C or better and a GPA of 2.5 in these courses (or their equivalents).

Applications for admission are available in the College Advising Center, Trafton C-125.

Advising:

You are expected to meet with your advisor on a regular basis to ensure courses are taken in an order that will lead to successful completion of the degree.

A complete listing of program faculty, policies, and course descriptions is available in the undergraduate bulletin.

TERM 1 - FALL

| <i>Designator:</i> | <i>Course:</i> | <i>Course Name:</i> | <i>Credits:</i> | <i>Milestones:</i> |
|--------------------|-------------------|---|-----------------|---|
| | | | | Overall GPA \geq 2.0 Course Completion Rate \geq 67% Completion of \geq 15 credit hours |
| MATH | 098 | Intermediate Algebra | 4 | |
| ENG | 101 | Composition | 4 | |
| CMST | 100 102 212 | Fundamentals of Communication OR Public Speaking OR Professional Communication & Interviewing | 3-4 | |
| Gen Ed | Goal Area 3 | Goal Area 3 Lab course | 3-4 | |
| FYEX | 100 | First Year Seminar | 1 | |

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Term 1 Notes:

Must receive "C" or higher (not "C-") in MATH 098 to proceed to MATH 112

TERM 2 - SPRING

| <i>Designator:</i> | <i>Course:</i> | <i>Course Name:</i> | <i>Credits:</i> | <i>Milestones:</i> |
|--------------------|---------------------------------------|---|-----------------|--|
| | | | | Overall GPA \geq 2.0 Course Completion Rate \geq 67% Completion of \geq 30 credit hours Advance to Sophomore status |
| MATH | 112 | College Algebra | 4 | |
| Gen Ed | Goal Area 3 and 10 | Some possible courses are ANTH 210, GEOG 101, GEOL 100 | 3-4 | |
| Gen Ed | Goal Area 5 | Any Goal Area 5 course | 3-4 | |
| Gen Ed | Goal Area 6, 8 and Diversity | Some possible courses are ART 160, EET 125, HUM 282 | 3-4 | |
| Gen Ed | Goal Area 11 | Any Goal Area 11 course | 1 | |

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Term 2 Notes:

Must receive C or above (not C-) in MATH 112 to advance to IT 210

TERM 3 - FALL

| <i>Designator:</i> | <i>Course:</i> | <i>Course Name:</i> | <i>Credits:</i> | <i>Milestones:</i> |
|--------------------|----------------|-----------------------------|-----------------|---|
| | | | | Overall GPA \geq 2.0 Course Completion Rate \geq 67% |
| MATH | 181 | Intuitive Calculus | 3 | |
| IT | 210 | Fundamentals of Programming | 4 | |
| ENG | 271W | Technical Communication | 4 | |

| <i>Designator:</i> | <i>Course:</i> | <i>Course Name:</i> | <i>Credits:</i> | <i>Milestones:</i> |
|--------------------|------------------------------|--|-----------------|---|
| | | | | Overall GPA \geq 2.0 Course Completion Rate \geq 67% |
| Gen Ed | Goal Area 5, 7 and Diversity | Some possible courses are ETHN 100, HIST 155, SOC 150. Must be from different discipline than Goal Area 5 course in Term 2 | 3-4 | |
| Gen Ed | Goal Area 11 | Any Goal Area 11 course | 1 | |

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Term 3 Notes:

Must receive C (not C-) or better in MATH 181 and B (not B-) or better in IT 210 to advance to IT 214

TERM 4 - SPRING

| <i>Designator:</i> | <i>Course:</i> | <i>Course Name:</i> | <i>Credits:</i> | <i>Milestones:</i> |
|--------------------|----------------|--|-----------------|---|
| | | | | Overall GPA \geq 2.0 Course Completion Rate \geq 67% Completion of \geq 60 credit hours Advance to Junior status |
| STAT | 154 | Elementary Statistics | 3 | |
| IT | 340 | Intro to Database Systems | 4 | |
| IT | 214 | Fundamentals of Software Development | 4 | |
| Minor | | A course in the selected minor for which prerequisites have been met | 3-4 | |

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Term 4 Notes:

Provisional Admission to major required to register for IT 340.

Common minors to accompany the CIT major include: Math, English Technical Communication, Electronic Engineering Technology, Geography, Psychology, Art. Any non-computing minor is allowed.

TERM 5 - FALL

| <i>Designator:</i> | <i>Course:</i> | <i>Course Name:</i> | <i>Credits:</i> | <i>Milestones:</i> |
|--------------------|----------------|--|-----------------|---|
| | | | | Overall GPA \geq 2.0 Course Completion Rate \geq 67% Apply for Graduation |
| IT | 380 | Systems Analysis and Design | 4 | |
| IT | 350 | Information Security | 4 | |
| IT | 360 | Introduction to Networking | 4 | |
| Minor | | A course in the selected minor for which prerequisites have been met | 3-4 | |

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Term 5 Notes:

Apply for Permanent Admission to Major during this term

TERM 6 - SPRING

| <i>Designator:</i> | <i>Course:</i> | <i>Course Name:</i> | <i>Credits:</i> | <i>Milestones:</i> |
|--------------------|----------------|--|-----------------|---|
| | | | | Overall GPA \geq 2.0 Course Completion Rate \geq 67% Completion of \geq 90 credit hours Advance to Senior status |
| IT | 440 | Database Management Systems II | 4 | |
| IT | 202W | Computers in Society | 4 | |
| Minor | | A course in the selected minor for which prerequisites have been met | 3-4 | |
| IT | 320 | Machine Structures and Operating Systems | 4 | |

Insert item

Term 6 Notes:

TERM 7 - FALL

| <i>Designator:</i> | <i>Course:</i> | <i>Course Name:</i> | <i>Credits:</i> | <i>Milestones:</i> |
|--------------------|----------------|--|-----------------|---|
| | | | | Overall GPA \geq 2.0 Course Completion Rate \geq 67% |
| IT | | Restricted Elective in Major. See bulletin. | 4 | |
| IT | 480 | Software Quality Assurance and Testing | 4 | |
| Minor | | A course in the selected minor for which prerequisites have been met | 3-4 | |
| Gen Ed | Goal Area 6 | Any Goal Area 6 course from different discipline than in Term 2 | 3-4 | |
| IT | 497 | Internship. Internship experience may have been in previous summer. | 1-3 | |

Insert item

Term 7 Notes:

TERM 8 - SPRING

| <i>Designator:</i> | <i>Course:</i> | <i>Course Name:</i> | <i>Credits:</i> | <i>Milestones:</i> |
|--------------------|----------------|--|-----------------|---|
| | | | | Overall GPA \geq 2.0 Course Completion Rate \geq 67% |
| IT | 483 | Web Application and User Interface Design | 4 | |
| IT | | Restricted Elective in Major. See bulletin | 4 | |
| Minor | | A course in the selected minor for which prerequisites have been met | 3-4 | |
| IT | 497 | Internship. Internship experience may have been in previous summer. | 1-3 | Internship experience may have been in previous summer |
| | | Free Elective. Only required if total credits is less than 120 | 1-4 | |

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Term 8 Notes:

PROGRAM NOTES

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DEGREE MAP CHECKLIST: GRADUATION REQUIREMENTS

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| <input checked="" type="checkbox"/> | 1. Minimum of 15 credits per semester |
| <input checked="" type="checkbox"/> | 2. General Education = 44 credits |
| <input checked="" type="checkbox"/> | 3. Diverse Cultures = 2 course (6 credits minimum) from two disciplines |
| <input checked="" type="checkbox"/> | 4. Writing Intensive = 2 courses (6 credits minimum) |
| <input checked="" type="checkbox"/> | 5. Major = <input type="text" value="72"/> credits |
| <input checked="" type="checkbox"/> | 6. Upper-Division Requirements = 40 credits minimum |
| <input type="checkbox"/> | 7. Professional Education (if required) = 30 credits |
| <input type="checkbox"/> | 8. Language Requirements (if BA) = 8 credits minimum |
| <input checked="" type="checkbox"/> | 9. Minor = <input type="text" value="20"/> credits |
| <input checked="" type="checkbox"/> | 10. Total credits required for degree <input type="text"/> |

DEGREE MAP COMPLETE

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|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <p>Map is complete and ready for review</p> <ol style="list-style-type: none"> 1. Faculty please send an email to your Department Chair when map is ready to review. 2. Department Chair please send an email to your Dean when map is ready to review. 3. Dean please send an email to the Assistant Vice President for Undergraduate Studies when map is ready to review. |
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DEAN APPROVAL

| | |
|-------------------------------------|-----------------------------------|
| <input checked="" type="checkbox"/> | Map reviewed and approved by Dean |
|-------------------------------------|-----------------------------------|

Save and Close