

# Information Technology [Spring 2020 Catalog]

- Arrows indicate prerequisite course(s)
- All courses are 3 credit hours unless otherwise indicated
- Shaded courses are Computing common core courses
- Rounded corner courses are taught by other departments
- 54 · upper level hours and · 120 · total hours are required for graduation
- Pattern of typical offering: F=Fall, S=Spring, Su=Summer (subject to change)
- **Exit Requirement** : Must give two spoken presentations in 3XXX or 4XXX Computing courses.

**Requisites & Prerequisites - (5)**  
**(15 cr. hrs.)**

**CGS 1100**  
**Computer Apps for Business**  
(F, S, Su)

**COP 2220**  
**Programming I**  
(F, S, Su)

MAC 2233  
Calculus for Business

STA 2023  
Intro Statistics for Business

SPC Speech or Public Speaking

MAC 1105 College Algebra or MAC 1147 Precalc

**Common Core & Major Requirements - (14)**  
**(42 cr. hrs.)**

**CIS3526**  
**IT Project Management**  
F

**CIS 3253**  
**Legal & Ethical Issues in Comp GW**  
(F, S, Su)

**COP 3503**  
**Programming II**  
(F, S, Su)

MAC1101 or (MAC1105 or MAC1147)

**COT 3100**  
**Computational Structures**  
(F, S, Su)

**COP 4640**  
**Op System Environments**  
F

**COP 3703**  
**Intro to Databases**  
(F, S, Su)

**CNT 4504**  
**Computer Networks**  
(F, S, Su)

**CIS 4360**  
**Intro to Comp Security**  
S

**COP 3530**  
**Data Structures**  
(F, S, Su)

**CIS 4325**  
**Intro to Systems Admin**  
S

**CNT 4406**  
**Network Security & Mgmt**  
S

**CEN 4083**  
**Intro to Cloud Computing**  
S

**CIS 4364**  
**Intrusion Detection**  
F

**CIS 4366**  
**Computer Forensics**  
F

**Major Electives (3)**  
**(9 cr. hrs.)**

**Select 9 credits of the following**

Any 3XXX or 4XXX  
CAP/CDA/CEN/CIS/  
CNT/COP/COT

Any 3XXX or 4XXX  
CAP/CDA/CEN/CIS/  
CNT/COP/COT

Any 3XXX or 4XXX  
CAP/CDA/CEN/CIS/  
CNT/COP/COT

# CIS – Information Technology [Fall 2020 Catalog]

- Requisites & Prerequisites – (5) (15 credit hours)
  - All courses are 3 credit hours unless otherwise indicated
  - 54 upper level hours and 120 total hours are required for graduation
  - Exit Requirement: Must give two spoken presentations in 3XXX or 4XXX Computing courses.
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- Speech or Public Speaking (SPC prefix); taught by another department
  - MAC2233 Calculus for Business; taught by another department; Prerequisites: MAC1105 or MAC1147
  - STA2023 Intro to Stats for Business; taught by another department; Prerequisites: MAC1105 or MAC1147
  - CGS1100 Computer Aps for Business; fall, spring and summer
  - COP2220 Programming I; fall, spring and summer
  - CIS3526 IT Project Management; fall; Prerequisites: COP2220 Programming I
  - COT3100 Computational Structures; fall, spring and summer; Computing Common Core; Prerequisites: MAC1101 or MAC1105 or MAC1147
  - CIS3253 Legal & Ethical Issues in Computing; fall, spring and summer; Computing Common Core; Prerequisites: COP2220 Programming I
  - COP3503 Programming II; fall, spring and summer; Computing Common Core; Prerequisites: COP2220 Programming I
  - COP3530 Data Structures; fall, spring and summer; Computing Common Core; Prerequisites: COT3100 Computational Structures and COP3503 Programming II
  - CNT4504 Computer Networks; fall, spring and summer; Computing Common Core; Prerequisites: COP3503 Programming II
  - COP3703 Intro to Databases; fall, spring and summer; Computing Common Core; Prerequisites: COP3503 Programming II
  - COP4640 OP System Environments; fall; Prerequisites: COP3503 Programming II
  - CIS4360 Intro to Comp Security; spring; Prerequisites: COP3503 Programming II
  - CIS4325 Intro to Systems Admin; spring; Prerequisites: CNT4504 Computer Networks and COP4640 Op System Environments
  - CNT4406 Network Security & Mgmt; spring; Prerequisites: CNT4504 Computer Networks
  - CEN4083 Intro to Cloud Computing; spring; Prerequisites: CNT4504 Computer Networks
  - CIS4364 Intrusion Detection; fall; Prerequisites: CNT4504 Computer Networks and CIS4360 Intro to Comp Security
  - CIS4366 Computer Forensics; fall; Prerequisites: CIS4360 Intro to Comp Security
  - Electives: Any 9 credits at the 3XXX or 4XXX level with the following prefixes: CAP, CDA, CEN, CIS, CNT, COP or COT