### Information Technology Semester Curriculum

**Fall (S1)**
- **IT 1050**: Fundamentals of IT (3)
- **IT 1080C**: Computer Networking (3)
- **IT 1090C**: Computer Programming I (3)
- **ENGL 1001**: English Composition (3)
- **MATH 1026**: Pre-Calculus (5)
- **PD 1010**: Intro to COOP for CECH (1)

**Spring (S2)**
- **IT 2060C**: Database Management I (3)
- **IT 1081C**: System Administration (3)
- **IT 2040C**: Fund. of Web Dev. (3)
- **COMM 1076**: Intro Inter. Comm. (3)

**IT+IDT program - Final October 9, 2013**

**Fall (S3)**
- **IT 3060C**: Database Management II (3)
- **IT 2030C**: Info. Sec. and Assurance (3)
- **IT 2020**: Implications of IT (3)
- **ENGL 2089**: Interm. Compos. (3)

**Summer (S4)**
- **IT 1090C**: Computer Programming I (3)
- **IT 1081C**: System Administration (3)
- **IT 1080C**: Computer Networking (3)
- **ENGL 1001**: English Composition (3)

**Fall (S5)**
- **IT 1090C**: Computer Programming I (3)
- **IT 1080C**: Computer Networking (3)
- **IT 1081C**: System Administration (3)
- **IT 1081C**: System Administration (3)

**Spring (S6)**
- **IT 2060C**: Database Management I (3)
- **IT 2040C**: Fund. of Web Dev. (3)
- **COMM 1076**: Intro Inter. Comm. (3)

**IT 1090C**: Computer Programming I (3)
- **IT 1080C**: Computer Networking (3)
- **ENGL 1001**: English Composition (3)

**Fall (S7)**
- **IT 3060C**: Database Management II (3)
- **IT 2030C**: Info. Sec. and Assurance (3)
- **IT 2020**: Implications of IT (3)
- **ENGL 2089**: Interm. Compos. (3)

**Summer (S8)**
- **IT 1090C**: Computer Programming I (3)
- **IT 1080C**: Computer Networking (3)
- **IT 1081C**: System Administration (3)
- **IT 1081C**: System Administration (3)

**Fall (S9)**
- **IT 2060C**: Database Management I (3)
- **IT 2040C**: Fund. of Web Dev. (3)
- **COMM 1076**: Intro Inter. Comm. (3)

**Spring (S10)**
- **IT 1090C**: Computer Programming I (3)
- **IT 1080C**: Computer Networking (3)
- **IT 1081C**: System Administration (3)
- **IT 1081C**: System Administration (3)

**Fall (S11)**
- **IT 3060C**: Database Management II (3)
- **IT 2030C**: Info. Sec. and Assurance (3)
- **IT 2020**: Implications of IT (3)
- **ENGL 2089**: Interm. Compos. (3)

**Spring (S12)**
- **IT 1090C**: Computer Programming I (3)
- **IT 1080C**: Computer Networking (3)
- **IT 1081C**: System Administration (3)
- **IT 1081C**: System Administration (3)

**Fall (S13)**
- **IT 3060C**: Database Management II (3)
- **IT 2030C**: Info. Sec. and Assurance (3)
- **IT 2020**: Implications of IT (3)
- **ENGL 2089**: Interm. Compos. (3)

**Spring (S14)**
- **IT 1090C**: Computer Programming I (3)
- **IT 1080C**: Computer Networking (3)
- **IT 1081C**: System Administration (3)
- **IT 1081C**: System Administration (3)

**Fall (S15)**
- **IT 3060C**: Database Management II (3)
- **IT 2030C**: Info. Sec. and Assurance (3)
- **IT 2020**: Implications of IT (3)
- **ENGL 2089**: Interm. Compos. (3)

**Spring (S16)**
- **IT 1090C**: Computer Programming I (3)
- **IT 1080C**: Computer Networking (3)
- **IT 1081C**: System Administration (3)
- **IT 1081C**: System Administration (3)

**Fall (S17)**
- **IT 3060C**: Database Management II (3)
- **IT 2030C**: Info. Sec. and Assurance (3)
- **IT 2020**: Implications of IT (3)
- **ENGL 2089**: Interm. Compos. (3)

**Spring (S18)**
- **IT 1090C**: Computer Programming I (3)
- **IT 1080C**: Computer Networking (3)
- **IT 1081C**: System Administration (3)
- **IT 1081C**: System Administration (3)

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**Networking/Systems Track**
- **IT 2035C**: Network Infrastructure Management (1)
- **IT 3036C**: Enterprise Systems Administration (2)
- **IT 3037C**: Cloud Computing (3)
- **IT 4035C**: Network Security (4)
- **IT 4036C**: Enterprise Systems Forensics (5)
- **IT 4037C**: Special Topics in Networking/Systems (6)
- **IT 5031C**: Senior Design Networking/Systems Technical Practicum I (7)
- **IT 5032C**: Senior Design Networking/Systems Technical Practicum II (8)

**Software Application Development Track**
- **IT 2045C**: Computer Programming II (1)
- **IT 3045C**: Contemporary Programming (2)
- **IT 3046C**: Client-Side Web Programming (3)
- **IT 3047C**: Web Server App. Development (4)
- **IT 4045C**: Enterprise Application Development (6)
- **IT 5041C**: Senior Design Software Application Development Technical Practicum I (7)
- **IT 5042C**: Senior Design Software Application Development Technical Practicum II (8)

**IDT Specialization Courses**
- **IT 2035C**: Network Infrastructure Management (1)
- **IT 3036C**: Enterprise Systems Administration (2)
- **IT 3037C**: Cloud Computing (3)
- **IT 4035C**: Network Security (4)
- **IT 4036C**: Enterprise Systems Forensics (5)
- **IT 4037C**: Special Topics in Networking/Systems (6)
- **IT 5031C**: Senior Design Networking/Systems Technical Practicum I (7)
- **IT 5032C**: Senior Design Networking/Systems Technical Practicum II (8)

**Information Technology Co-op schedule**

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# Information Technology Co-op schedule

- To start coop, students complete all course work up to S2 and have a minimum 2.0 GPA. Please schedule a meeting with your coop advisor within the first three weeks of the semester preceding your coop semester.
- May take up to six credit hours of courses while on coop.
- Any student who wishes to take a course while on coop must obtain approval from both his or her academic and co-op advisers.
- **Science Electives** must be from BIOL, CHEM, PHYS or GEOL.
- **General Education Electives** must be from courses designated as Fine Arts, Historical Perspectives, Humanities and Literature, or Social Sciences. Each elective must represent a different area.
- **Students are considered undergraduate CECH students for the first four years of the program (S1 to S6 and C1 to C5), will become graduate CECH students in the fifth year of the program (S7, S8 and S9), and will graduate in the spring of their fifth year with both BS in IT and Masters in Instructional Design and Technology.**