CSCE 205 - Business Applications Programming

- **Credit Hours:** 3 hours
- **Contact Hours:** 3 lecture hours
- **Instructor:** Dr. Christine Brown
- **Required Textbooks:** None.
- **Bulletin Description:** Introduction to computer applications in business. Programming exercises in COBOL.
- **Prerequisites:** MGSC 290 or CSCE 101 or above
- **Required Course** in CIS
- **Course Outcomes:** Students will be able to:
  1. Code and compile COBOL programs with no syntax errors
  2. Use coding techniques commonly used to solve routine business problems
  3. Analyze program specifications and design accurate and efficient COBOL programs to meet those specifications

- **Student Outcomes addressed by course**

Program	Student Outcomes Addressed
Computer Engineering	N/A
Computer Information Systems	2, 6
Computer Science	N/A

- **Topics covered**
  1. COBOL and the program development process (9 hours)
  2. Identification, Environment, and Data Divisions (3 hours)
  3. Procedure Division (3 hours)
  4. Control structures (6 hours)
  5. User interfaces (report design) (5 hours)
  6. Validation and verification (5 hours)
  7. Arrays and tables (3 hours)
  8. Master/transaction file processing (6 hours)
  9. Program management (1 hours)