

## *Information Science /Telecommunications*

# *Telecommunications*

Information Science/Telecommunications will prepare graduates for jobs in rapidly expanding field. The Telecommunications specialists are needed because the proliferation of computers has created a need for the sharing and exchange of data. Linking computers within an office building, office complex or plant has become complicated. This two-year telecommunications curriculum is designed to provide students with knowledge of telecommunications while equipping them with skills in CICS (Customer Information Control Systems), networking design and software, coding, and data base management systems.

PROGRAM POLICY: students must obtain a grade of C or better in BD222 (Assembler Language) to enroll for the higher level courses: BD219, BD223, BD224.

The recommended sequence for full-time student is listed below. Part-time students may elect to schedule classes at their own pace, through day-time, evening/or Saturday classes.  
Total credits in the major: 64.

| Curriculum                          |   |               | Revised/<br>New | Faculty<br>Responsible                     |
|-------------------------------------|---|---------------|-----------------|--|
| <b>FIRST YEAR</b>                   |   |               |                 |  |
| <b>First Semester – 16 Credits</b>  |   |               |                 |  |
| <b>Code</b>                         | <b>Course</b>                                 | <b>Credit</b> |                 |  |
| BA 155                              | Accounting I                                  | 3             |                 |  |
| BD 150                              | Intro to Computers                            | 3             |                 | See Info Science/<br>Business Applications |
| BD 151                              | COBOL   | 4             |                 | See Info Science/<br>Business Applications |
| HE 155                              | English Composition I                         | 3             |                 |  |
| MA 151                              | Modern College Math 1                         | 3             |                 |  |
| <b>Second Semester – 16 Credits</b> |   |               |                 |  |
| BA 156                              | Accounting II                                 | 3             |                 |  |
| BB 160                              | Intro to Business                             | 3             |                 |  |
| BD 152                              | Advanced COBOL                                | 4             |                 | See Info Science/<br>Business Applications |
| BD 222                              | Assembler Language                            | 3             |                 |  |
| HE 107<br>156                       | English Composition II<br>or Business English | 3             |                 |  |
| <b>SECOND YEAR</b>                  |   |               |                 |  |
| <b>Third Semester – 16 Credits</b>  |   |               |                 |  |
| BB 255                              | Economics I                                   | 3             |                 |  |
| BD 201                              | CICS I  | 4             |                 | See Info Science/<br>Business Applications |
| BD 219                              | Intro to Telecommunications                   | 3             | New             |  |

### Sources:

- A. Curriculum Description and Outline, CCBC Catalog 1987-1988, Page 85
- B. Curriculum Committee Records, Academic Year 1985-1986

|                                     |   |          |            |  |
|-------------------------------------|---|----------|------------|--|
| <b>HP 160</b>                       | General Psychology I                      | 3        |            |  |
| <b>BD 220<br/>229</b>               | Fortran<br>or <b>RPG</b>                  | 3        |            | <b>See IS/Business<br/>Applications</b>            |
| <b>Fourth Semester – 16 Credits</b> |   |          |            |  |
| <b>BD 223</b>                       | <b>Network Design and Operations</b>      | <b>3</b> | <b>New</b> |  |
| <b>BD 233</b>                       | <b>Data Base Management Systems</b>       | <b>3</b> |            | <b>See Info Science/<br/>Business Applications</b> |
| <b>BD 234</b>                       | <b>Network Software and Coding</b>        | <b>4</b> | <b>New</b> |  |
| <b>HE 149/<br/>290</b>              | Oral Communications or<br>Public Speaking | 3        |            |  |
| <b>MA 153</b>                       | Statistics                                | 3        |            |  |

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