

# TELECOMMUNICATIONS

## Associate of Applied Science Degree

| Course No                                 | Course Title                             | Credit Hours | Qtrs Offered | Pre-Requisites                          |  |
|---|--|--------------|--------------|---|--|
| <b>FIRST QUARTER (Fall) 18 credits</b>    |  |              |              |   |  |
| TCT 1000A                                 | Intro to Telecommunications              | 4            | F            | None                                    |  |
| EET 1030A                                 | Industrial Electricity                   | 4            | F            | COMPASS or MTH0990A                     |  |
| CIT 1300A                                 | Information Technology Essentials/A+     | 4            | F            | OIS1200A or TST <sup>1</sup>            |  |
| MGT 1430A                                 | Customer Relationship Mgmt               | 2            | F            | None                                    |  |
| OIS 1240A                                 | Computer Applications I                  | 4            | All          | OIS1200A or TST                         |  |
| <b>SECOND QUARTER (Winter) 18 credits</b> |  |              |              |   |  |
| TCT 1200A                                 | Intro to Collocation                     | 2            | W            | None                                    |  |
| CIT 1500A                                 | Supporting a Microsoft Client OS/MCSE I  | 4            | W            | CIT1300A                                |  |
| TCT 1010A                                 | Outside Plant I                          | 4            | W            | TCT1000A                                |  |
| EET 1100B                                 | Circuit Analysis I                       | 3            | W            | PHY1220A or concurrent, or EET1030A     |  |
| EET 1101A                                 | Circuit Analysis Lab                     | 1            | W            | EET1100B co-requisite                   |  |
| TMT 1500A                                 | Applied Technical Mathematics            | 4            | F, W         | COMPASS or MTH0990A                     |  |
| <b>THIRD QUARTER (Spring) 18 credits</b>  |  |              |              |   |  |
| TCT 1750A                                 | Network Structure                        | 4            | Sp           | None                                    |  |
| TCT 1030A                                 | Outside Plant II                         | 4            | Sp           | TCT1010A                                |  |
| MTH 1110B                                 | Beginning Algebra                        | 4            | F,W,Sp       | COMPASS or MTH0990A or equivalent       |  |
| TCT 1300A                                 | Intro to Switching Technology            | 4            | W            | None                                    |  |
| MET 1060B                                 | Basic Problem Solving                    | 2            | W,Sp         | None                                    |  |
| <b>FOURTH QUARTER (Fall) 19 credits</b>   |  |              |              |   |  |
| TCT 2200A                                 | EPBAX Switching Systems                  | 4            | F            | TCT1200A                                |  |
| TCT 2210A                                 | Transport Systems Technology             | 4            | F            | TCT1300A                                |  |
| EET 2200B                                 | Digital Circuits I                       | 3            | F            | None                                    |  |
| GES 0000                                  | General Education Elective               | 4            |              | See specific course listings            |  |
| ENG 1090A                                 | English Composition I                    | 4            | All          | OIS1240A or concurrent or examination * |  |
| <b>FIFTH QUARTER (Winter) 18 credits</b>  |  |              |              |   |  |
| TCT 2100A                                 | Fiber Optics & Splicing                  | 4            | W            | TCT1300A                                |  |
| TCT 2310A                                 | Data Communications                      | 4            | W            | TCT1200A                                |  |
| TWR 1100A                                 | Technical Writing                        | 4            | W            | ENG1090A                                |  |
| ENG 1100A                                 | English Composition II                   | 2            | All          | ENG1090A                                |  |
| GES 0000                                  | General Education Elective               | 4            |              | See specific course listings            |  |
| <b>SIXTH QUARTER (Spring) 18 credits</b>  |  |              |              |   |  |
| TCT 2700A                                 | Applied Design Project                   | 2            | Sp           | Greater than 90 cr hrs                  |  |
| TCT 2390A                                 | Advanced <sup>2</sup> C.O. Switching     | 4            | Sp           | TCT1300A                                |  |
| MGT 1400A                                 | Intro to Management                      | 4            | All          | None                                    |  |
| CIT 2200A                                 | Supporting a Microsoft Server OS/MCSE II | 4            | Sp           | CIT1500A                                |  |
| ENG 1160A                                 | Oral Communications                      | 4            | All          | None                                    |  |
| <b>Credit Hour Total</b>                  |  | <b>109</b>   |              |   |  |

<sup>1</sup> TST = Technology Skills Test

<sup>2</sup> C.O. = Central Office

CGC's: Com-1=ENG1100A; Com-2=ENG1160A; Math=MTH1110B; IP & PSDM=TCT2700A; IT=OIS1240A.

\* OIS1300A also accepted by Engineering as a pre-requisite for ENG1090A.