

# Mathematics

## Associate of Science in Mathematics (60 Semester Credit Hours)

Suggested Course of Study for University Transfer Students

| First Semester - 16 SCH   | Second Semester - 16 SCH                                      |
|---|---|
| MATH 2312<br>ENGL 1301<br>HIST 1301<br>EDUC/PSYC 1100<br>COSC 1301<br>COMM 1307 | MATH 2413<br>ENGL 1302<br>HIST 1302<br>MUSI 1306<br>ECON 2301 |
| Third Semester - 14 SCH   | Fourth Semester - 14 SCH                                      |
| MATH 2414<br>GOVT 2305<br>PHYS 2425<br>COSC 1336                                | MATH 2415<br>GOVT 2306<br>PHYS 2426<br>COSC 1337              |

# Mechatronics

PJC offers an Associate of Applied Science degree in Mechatronics, which is designed to prepare students to work in industrial maintenance or other related areas. The student will study electricity, electronics, hydraulics, pneumatics, mechanical, drives, computer based automated systems, industrial operations, and current industry practices. Instructional emphasis is placed on understanding of and troubleshooting of electromechanical systems.

## Associate of Applied Science in Mechatronics (60 Semester Credit Hours)

| First Semester - 15 SCH                                       | Second Semester - 15 SCH                                      |
|---|---|
| CETT 1409<br>PSYC 1300<br>ELMT 2333<br>ELPT 1221<br>MATH 2312 | CETT 1349<br>HYDR 1345<br>INTC 1341<br>RBTC 1301<br>RBTC 1351 |
| Third Semester - 15 SCH                                       | Fourth Semester - 15 SCH                                      |
| COSC 1301<br>ELMT 2337<br>ELPT 1351<br>ELPT 2319<br>SPCH 1321 | DRAM 1301<br>ELPT 2355<br>ENGL 1301<br>ENTC 1349<br>INMT 2345 |

**CERTIFICATE IN MECHATRONICS (30 Semester Credit Hours)****First Semester (9 SCH)**

|                 |   |
|-----------------|---|
| CETT 1409 ..... | DC-AC Circuits                              |
| ELMT 2333 ..... | Industrial Electronics                      |
| ELPT 1221 ..... | Introduction to Electrical Safety and Tools |

**Second Semester (12 SCH)**

|                 |                                 |
|-----------------|---------------------------------|
| ENTC 1349 ..... | Reliability and Maintainability |
| RBTC 1351 ..... | Robotic Mechanisms              |
| RBTC 1301 ..... | Programmable Logic Controllers  |
| HYDR 1345 ..... | Hydraulics and Pneumatics       |

**Third Semester (9 SCH)**

|                 |  |
|-----------------|--|
| ELMT 2337 ..... | Electronic Troubleshooting, Service and Repair |
| ELPT 2319 ..... | Programmable Logic Controllers I               |
| ELPT 1351 ..... | Electrical Machines                            |

# Medical Records Coding

## (Health Information Coding)

The Medical Records Coding Program is designed to prepare individuals to function effectively in the information management of the health care industry under the supervision of a medical records supervisor. As part of the information management team, the medical records coding associate will provide evidence for appropriate coding of the patient record to assist in reimbursement via private or governmental means.

Graduates are eligible to work in the information management areas in acute care and/or healthcare provider offices, and will be eligible to take the Certificate Examination for Coding Associate to qualify as a Certified Coding Associate (CCA).

The program begins in the Spring semester with general academic courses and is concluded at the end of the Spring semester of the following year.

### Admissions Procedures for Medical Records Coding Program

The Medical Records Coding Program's admission application is available at the beginning of January for those who wish to apply. Completed and signed applications are accepted year-round; the core courses begin in the second summer session.

Along with the completed and signed application, the following must also be submitted:

- » Official high school transcript or G.E.D.
- » Official college transcripts from all colleges attended.
- » Required references at the time of applications.
- » Immunization records.

To receive a Medical Records Coding application by mail or to pick one up in person, contact the Health Occupations staff at 903.782.0734.