

# BPA

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## Courses

### **BPA 130 Business Systems Analysis and Design**

**3 Credits. 2 Lecture Hours. 3 Lab Hours.**

An introductory course on business systems analysis within the framework of the system development life cycle. Topics include: business case analysis, requirement gathering, requirement modeling, enterprise modeling, and development strategies.

Prerequisites: AFL 085 and AFM 092, or appropriate placement test scores

### **BPA 191 Part-Time Cooperative Education 1: Business Programming and Systems Analysis**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their first part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: None

### **BPA 192 Part-Time Cooperative Education 2: Business Programming and Systems Analysis**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their second part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: BPA 191

### **BPA 193 Part-Time Cooperative Education 3: Business Programming and Systems Analysis**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their third part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: BPA 192

### **BPA 194 Part-Time Cooperative Education 4: Business Programming and Systems Analysis**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their fourth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: BPA 193

### **BPA 195 Part-Time Cooperative Education 5: Business Programming and Systems Analysis**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their fifth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: BPA 194

### **BPA 196 Part-Time Cooperative Education 6: Business Programming and Systems Analysis**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their sixth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: BPA 195

### **BPA 198 First Year Special Topics in Business Programming and Systems Analysis**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Business Programming and Analysis, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: Instructor Approval

### **BPA 199 First Year Independent Project in Business Programming and Systems Analysis**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Business Programming and Analysis that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Business Programming and Analysis faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Instructor Approval

**BPA 211 Business Application Development 1: RPGLE/DB2****4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A course on the IBM operating system and utilities including DB2, Control Language, Query, SDA, and SQL. Topics include: RPGLE utilization of forms/specifications, language operation codes and special functions used to generate reports, and transaction level file maintenance.

Prerequisites: IT 102

**BPA 212 Business Application Development 2: RPGLE/DB2****4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A continuation of BPA 211. Topics include: RPGLE procedural programming including arrays/list processing, interactive applications, and subfiles; interactive and embedded SQL; and ILE programming through service programs to address introductory cross-platform programming.

Prerequisites: BPA 211

**BPA 230 Mobile Application Development****4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on designing and programming applications for current mobile devices. Topics include: GUI programming application structure; and considerations related to network, database, video, GPS sensors, and multi-touch.

Prerequisites: None

**BPA 240 Emerging Technologies: Web and Mobile Applications****4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A course on emerging technologies in software and applications development for the Web and mobile devices.

Prerequisites: BPA 230

**BPA 290 Business Programming and Systems Analysis Capstone****4 Credits. 3 Lecture Hours. 3 Lab Hours.**

Students work on a team project that demonstrates mastery of skills gained throughout their degree studies. Topics include: analyzing requirements, determining an IT solution, and implementing an IT solution.

Prerequisites: BPA 211, IT 161, and IT 210

**BPA 291 Full-Time Cooperative Education 1: Business Programming and Systems Analysis****2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: None

**BPA 292 Full-Time Cooperative Education 2: Business Programming and Systems Analysis****2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: BPA 291

**BPA 293 Full-Time Cooperative Education 3: Business Programming and Systems Analysis****2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their third full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: BPA 292

**BPA 294 Internship 1: Business Programming and Systems Analysis****2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CIT 190

**BPA 295 Internship 2: Business Programming and Systems Analysis****2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: BPA 294

**BPA 298 Second Year Special Topics in Business Programming and Systems Analysis****1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Business Programming and Analysis, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: Instructor Approval

**BPA 299 Second Year Independent Project in Business Programming and Systems Analysis****1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Business Programming and Analysis that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Business Programming and Analysis faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Instructor Approval