



ASSOCIATE OF APPLIED BUSINESS

COMPUTER TECHNOLOGY

2024-25 Catalog

Effective Summer 2024

The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.

5000

Business, Engineering, and Information Technologies Division Computer Science and Information Systems Department

| TECHNICAL Course Number | Course Title | Credits | Pre- and Co-Requisites | Completed Sem./Year |
|----------------------------|---|-----------|---|------------------------|
| CIS125 | Data Analysis and Decision Making ▲ | 3 | CPD121 | |
| CIS221 | Generating Reports for Decision Making ▲- | 3 | CPD121 | |
| CIS222 | Data Acquisition and Analysis ▲+ | 3 | CIS125 | |
| CIS223 | IT Project Management ▲+ | 3 | ITD140 | |
| CPD123 | Structured Query Language | 3 | CPD121 | |
| CPD224 | Advanced Microsoft SQL Server Database | 3 | CPD123 | |
| CSE236 | Analyzing Software Requirements and Developing Solutions | 3 | (CIS221 or CSE235 or CSE229 or CSE231 or CSE233 or WDD221 or WDD222 or WDD224 or WDD225 or WDD226) and CPD123 | |
| ITD140 | Digital Project Management^ ▲- | 3 | ITD100 or Proficiency | |
| | <i>Select two (2) Technical Elective from the list below³ ▲</i> | 6 | <i>Check for prerequisites</i> | |
| Total | | 30 | | |
| NON-TECH Course Number | Course Title | Credits | Pre- and Co-Requisites | Completed Sem./Year |
| SSC101 | Student Success Seminar^^ | 1 | <i>Take first semester</i> | |
| COM121 | Effective Speaking | 3 | None | |
| or | or | or | or | |
| COM122 | Interpersonal Communication | 3 | None | |
| or | or | or | or | |
| COM123 | Small Group Communication^ | 3 | IDS102 or Proficiency | |
| CIS126 | Fundamentals of Information Systems^ | 3 | IDS102 or Proficiency | |
| CPD121 | Data Modeling and Database Design^ | 3 | (IDS102 or Proficiency) and (ITD100 or Proficiency) | |
| CSE122 | Programming Logic and Problem Solving^ | 3 | (IDS102 or Proficiency) and (ITD100 or Proficiency) | |
| ENG124 | College Composition^ | 3 | Co-ENG024 or Co-ENG011 or Proficiency | |
| ITD122 | Computer Applications for Professionals^ | 3 | ITD100 or Proficiency | |
| MTH118 | Quantitative Reasoning^ | 3 | Pre/Co-MTH018 or MTH022 or MTH023 or Proficiency | |
| WDD121 | Internet Design and Development^ | 3 | (IDS102 or Proficiency) and (ITD100 or Proficiency) | |
| | <i>Select one (1) Arts & Humanities Elective from the list below¹</i> | 3 | <i>Check for prerequisites</i> | |
| | <i>Select one (1) Social and Behavioral Sciences Elective from the list below²</i> | 3 | <i>Check for prerequisites</i> | |
| Total | | 31 | | |
| TOTAL CREDIT HOURS | | 61 | | |

[^]Based upon SSC placement score

^{^^}To promote student success, this course should be taken in the first semester

[▲] Course offerings vary by semester. Please see your academic advisor for availability.

^{▲-} Fall only courses. Please see your academic advisor for availability.

^{▲+} Spring only courses. Please see your academic advisor for availability.

¹Arts & Humanities Electives: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122

²Social and Behavioral Sciences Electives: PSC121, PSY121, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC221, SOC225

³Technical Elective: CFS136, CSE235, CSE237, NET120

Students completing this degree may be eligible to also receive a Computer Maintenance & Desktop Support Technician One-Year Certificate (5026) and a Data Analytics One-Year Certificate (5014).

FULL-TIME STUDENT ADVISING NOTES

Academic Advising

Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

Course Sequence

The semester-by-semester listing below provides the normal scheduling option for full-time associate degree students who plan to finish in two years.

| <u>First Semester</u> | | <u>Credit Hours</u> | <u>Pre- and Co-requisites</u> |
|--|---|---------------------|--|
| SSC101 | Student Success Seminar^^ | 1 | <i>Take first semester</i> |
| CIS126 | Fundamentals of Information Systems^ | 3 | IDS102 or Proficiency |
| CPD121 | Data Modeling and Database Design^ | 3 | (IDS102 or Proficiency) and (ITD100 or Proficiency) |
| ITD140 | Digital Project Management^▲- | 3 | ITD100 or Proficiency |
| WDD121 | Internet Design and Development^ | <u>3</u> | (IDS102 or Proficiency) and (ITD100 or Proficiency) |
| | | 13 | |
| <u>Second Semester</u> | | | |
| CPD123 | Structured Query Language | 3 | CPD121 |
| CIS223 | IT Project Management▲+ | 3 | ITD140 |
| CSE122 | Programming Logic and Problem Solving^ | 3 | (IDS102 or Proficiency) and (ITD100 or Proficiency) |
| ENG124 | College Composition^ | 3 | Co-ENG024 or Co-ENG011 or Proficiency |
| MTH118 | Quantitative Reasoning^ | <u>3</u> | Pre/Co-MTH018 or MTH022 or MTH023 or Proficiency |
| | | 15 | |
| <u>Summer Semester</u> | | | |
| COM121 | Effective Speaking | 3 | None |
| or | or | or | or |
| COM122 | Interpersonal Communication | 3 | None |
| or | or | or | or |
| COM123 | Small Group Communication^ | 3 | IDS102 or Proficiency |
| <i>Social and Behavioral Sciences Elective²</i> | | <u>3</u> | <i>Check for prerequisites</i> |
| | | 6 | |
| <u>Third Semester</u> | | | |
| CIS125 | Data Analysis and Decision Making▲ | 3 | CPD121 |
| CIS221 | Generating Reports for Decision Making▲- | 3 | CPD121 |
| CPD224 | Advanced Microsoft SQL Server Database | 3 | CPD123 |
| <i>Technical Elective³▲</i> | | <u>3</u> | <i>Check for prerequisites</i> |
| | | 12 | |
| <u>Fourth Semester</u> | | | |
| CIS222 | Data Acquisition and Analysis▲+ | 3 | CIS125 |
| ITD122 | Computer Applications for Professionals | 3 | ITD100 or Proficiency |
| <i>Arts & Humanities Elective¹</i> | | 3 | <i>Check for prerequisites</i> |
| CSE236 | Analyzing Software Requirements and Developing Solutions | 3 | (CIS221 or CSE235 or CSE229 or CSE231 or CSE233 or WDD221 or WDD222 or WDD224 or WDD225 or WDD226) and CPD123 |
| <i>Technical Elective³▲</i> | | <u>3</u> | <i>Check for prerequisites</i> |
| | | 15 | |
| | TOTAL CREDITS | 61 | |

^Based upon SSC placement score

^^To promote student success, this course should be taken in the first semester

▲ Course offerings vary by semester. Please see your academic advisor for availability.

▲- Fall only courses. Please see your academic advisor for availability.

▲+ Spring only courses. Please see your academic advisor for availability.

¹Arts & Humanities Electives: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122

²Social Science Electives: PSC121, PSY121, PSY123, PSY124, PSY221, SOC121, SOC122, SOC123, SOC221, SOC225

³Technical Electives: CFS136, CSE235, CSE237, NET120