

ASSOCIATE OF APPLIED SCIENCE

COMPUTER SCIENCE AND ENGINEERING

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.

Effective Summer 2015

1516 Catalog

5250

Engineering Technologies/Information Technologies Division Computer Science and Information Systems Department

TECHNICAL Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
CPD222	Microsoft SQL Server Database ▲	3	CPD121	
CSE229	Visual Basic Development ▲	3	CSE122	
CSE230	Advanced Visual Basic Development ▲	3	CSE229	
CSE231	Java Programming ▲	3	CSE122	
CSE232	Advanced Java Programming ▲	3	CSE231	
CSE233	C++ Programming ▲	3	CSE122	
CSE234	Advanced C++ Programming ▲	3	CSE233	
CSE236	Analyzing Software Requirements and Developing Solutions ▲	3	(CIS221 or CSE229 or CSE233 or CSE231 or WDD221 or CSE227 or WDD224 or WDD222 or WDD226) and CPD121	
WDD224	Active Server Page Development ▲	3	CSE122 and WDD121	
WDD226	Web Development with PHP and MySQL▲	3	CSE122 and WDD121	
	Total	30		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	Take first semester	
COM121	Effective Speaking	3	None	
or	or	or	or	
COM122	Interpersonal Communication	3	None	
or COM123	or Small Group Communication	or 3	or ENG124	
CIS126	Fundamentals of Information Systems ▲	3	(ITD105 and ITD106) or ITD122	
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	ENG011 or Proficiency	
ITD122	Computer Applications for Professionals ^	3	ITD100 or Proficiency	
MTH135	Precalculus^ – A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.	5	(MTH093 and MTH094)++ or Proficiency	
WDD121	Internet/Intranet Design and Development^	3	(IDS102 or Proficiency) and (ITD100 or Proficiency)	
	Select one (1) Arts & Humanities Elective from the list below ¹	3	Check for prerequisites	
	Select one (1) Social Science Elective from the list below ²	3	Check for prerequisites	
	Total	33		
	TOTAL CREDIT HOURS	63		

[^]Based upon SSC placement score

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

⁺⁺Minimum grade of "C" required

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

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

²Social Science Electives: PSC121, PSY121, SOC121, SOC225, PSY122, PSY123, PSY124, PSY221, SOC122, SOC123, SOC221

Effective Summer 2015

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.

SSC101 Student Success Seminar^^ 1 Take first semester	First Semester		Credit Hours	Pre- and Co-requisites
CSE122 Programming Logic and Problem Solving		Student Success Seminar^^	_	
CSE122 Programming Logic and Problem Solving and (ITD100 or Proficiency)	CPD121	Data Modeling and Database Design^	3	
ITD122 Computer Applications for Professionals Agriculture Applications for Professionals Agriculture Applications for Professionals Agriculture Applications for Professionals Agriculture Agr				
ITD122 Computer Applications for Professionals' 3 ITD100 or Proficiency WDD121 Internet/Intranet Design and Development' 3 3 (IDS102 or Proficiency) and (ITD100 or Proficiency) Second Semester CIS126 Fundamentals of Information Systems	CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency)
MDD121				and (ITD100 or Proficiency)
MDD121	ITD122	Computer Applications for Professionals [^]	3	ITD100 or Proficiency
Second Semester CIS126 Fundamentals of Information Systems ▲ 3 (ITD105 and ITD106) or ITD122 CSE229 Visual Basic Development ▲ 3 CSE122 CSE231 Java Programming ▲ 3 CSE122 CSE233 C++ Programming ▲ 3 CSE122 ENG124 College Composition^ 3 ENG011 or Proficiency Summer Semester COM121 Effective Speaking 3 None or or or COM122 Interpersonal Communication 3 None or or or COM123 Small Group Communication 3 None Or Or COM124 Small Group Communication 3 ENG124 Social Science Elective² 3 Check for prerequisites Third Semester CPD222 Microsoft SQL Server Database ▲ 3 CPD121 CSE230 Advanced Visual Basic Development ▲ 3 CSE229 CSE232 Advanced Java Programming ▲ 3 CSE231 CSE234 Advanced C++ Programming ▲ 3 CSE231 CSE234 Advanced C++ Programming ▲ 3 CSE233 WDD226 Web Development with PHP and MySQL ▲ 3 CSE233 WDD226 Web Development with PHP and MySQL ▲ 3 CSE229 CSE236 Analyzing Software Requirements and Developing Solutions ▲ CSE236 or CSE236 or CSE236 or CSE237 or CSE236 or CSE237 or CSE237 or CSE237 or CSE237 or CSE237 or CSE238 or CSE238 or CSE236 or CSE237 or CSE238 or C	WDD121	Internet/Intranet Design and Development^	<u>3</u>	(IDS102 or Proficiency)
CIS126			13	and (ITD100 or Proficiency)
CIS126	Second Semester			• •
CSE29 Visual Basic Development ▲ 3 CSE122 CSE231 Java Programming ▲ 3 CSE122 ENG124 College Composition A 3 ENG011 or Proficiency ENG124 College Composition A 3 ENG011 or Proficiency Summer Semester COM121 Effective Speaking 3 None or or or or or COM122 Interpersonal Communication 3 ENG124 Social Science Elective² 3 Check for prerequisites Third Semester CPD222 Microsoft SQL Server Database A 3 CPD121 CSE230 Advanced Visual Basic Development A 3 CSE229 CSE232 Advanced Java Programming A 3 CSE231 CSE234 Advanced Frogramming A 3 CSE223 WDD226 Web Development with PHP and MySQL A 3 CSE122 and WDD121 Fourth Semester Arts & Humanities Elective¹ 3 Check for prerequisites CSE236 </td <td></td> <td>Fundamentals of Information Systems ▲</td> <td>3</td> <td>(ITD105 and ITD106) or ITD122</td>		Fundamentals of Information Systems ▲	3	(ITD105 and ITD106) or ITD122
CSE231 Java Programming ▲ 3 CSE122 CSE233 C++ Programming ▲ 3 CSE122 ENG124 College Composition^ 3 ENG011 or Proficiency Summer Semester COM121 Effective Speaking 3 None or or or or COM121 Interpersonal Communication 3 None or or or or COM123 Small Group Communication 3 ENG124 Social Science Elective² 3 Check for prerequisites Third Semester CPD222 Microsoft SQL Server Database ▲ 3 CPD121 CSE230 Advanced Visual Basic Development ▲ 3 CSE229 CSE231 CSE230 Advanced Java Programming ▲ 3 CSE231 CSE234 Advanced Visual Basic Development MySQL ▲ 3 CSE122 and WDD121 Fourth Semester Arts & Humanities Elect	CSE229			
CSE233 C+ Programming ▲ 3 CSE122 ENG124 COM121 or Proficiency Summer Semester COM121 Effective Speaking 3 None or Check for prerequisites CSE230 Advanced Visual Basic Development ▲ 3 CSE231 CSE232 Advanced Java Programming ▲ 3 CSE233 CSE233 CSE233 CSE233 CSE233 CSE233 CSE122 and WDD121 Fourth Semester Arts & Humanities Elective¹	CSE231			CSE122
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or COM122or Interpersonal Communicationor or or Or Or Or OR COM123or Or OR<		Effective Speaking	3	None
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or COM123or Small Group Communicationor 3 3 6ENG124 Check for prerequisitesThird SemesterCPD222Microsoft SQL Server Database ▲ CSE2303 Advanced Visual Basic Development ▲ 3 CSE232 Advanced Java Programming ▲ CSE234 WDD2263 Advanced C++ Programming ▲ Web Development with PHP and MySQL ▲ 153 <td></td> <td>Interpersonal Communication</td> <td></td> <td></td>		Interpersonal Communication		
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