

Associate in Applied Science – Information Technology (AASIT) – Database and Data Science DBACC + ITPRO Certificates

Completed by: Lisa Thoendel, 10/2022

Full-Time Program Map

Year 1

Quarter 1

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
INFO 1000	Workplace Skills for I.T. Professionals	4.5	FA, WI, SP, SU	INFO Core
INFO 1003	Problem Solving and Programming Logic	4.5	FA, WI, SP, SU	
GEN ED	Quantitative/ Numeracy	4.5	FA, WI, SP, SU	Student choice

Additional Notes:

Quarter 2

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
INFO 1620	Introduction to Database Design	4.5	FA, WI, SP, SU	
GEN ED	Communication	4.5	FA, WI, SP, SU	Recommend: COMS 1000
INFO 1002	Introduction to Information Technology	4.5	FA, WI, SP, SU	INFO Core

Additional Notes:

Quarter 3

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
INFO 1009	Introduction to Cloud Computing	4.5	FA, WI, SP, SU	
INFO 2635	MySQL Programming	4.5	FA, WI, SP, SU	Prereq INFO 1620
Gen Ed	Natural Science or Social Science	4.5	FA, WI, SP, SU	Student Choice

Additional Notes:

Quarter 4

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
Gen Ed	Professionalism/Life Skills/IT	4.5	FA, WI, SP, SU	Recommended: HMRL 1010
INFO 2633	Introduction to Big Data	4.5	WI/SS	Prereq INFO 1620
INFO 2641	SQL Server Design and Implementation	4.5	WI/SS	Prereq INFO 1620

Additional Notes:

Year 2

Quarter 5

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
INFO 2640	Oracle SQL and PL/SQL Programming	4.5	FA/SP	Prereq INFO 1620
GEN ED	Critical Thinking	4.5	FA, WI, SP, SU	Student choice
Level 1 Programming: Option 1		4.5		Students choose between a list of pairs of programming language classes

Additional Notes:

Quarter 6

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
INFO 2341	Fundamentals of Software Testing	4.5	FA, WI, SP, SU	
Level 2 Programming: Option 1		4.5		Students choose between a list of pairs of programming language classes
INFO 2642	T-SQL	4.5	FA, WI, SP, SU	Prereq INFO 1620

Additional Notes: Apply for DBACC

Quarter 7

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
Level 1: Programming: Option 2		4.5		Students choose between a list of pairs of programming language classes
INFO 1335	Full Stack Application Development	4.5	FA/SP	

Additional Notes: Apply for AASIT & ITPCC

Quarter 8

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
Level 2: Programming: Option 2		4.5		Students choose between a list of pairs of programming language classes

Additional Notes:

Part-Time Program Map

Year 1

Quarter 1

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
GEN ED	Communication	4.5	FA, WI, SP, SU	Recommend: COMS 1000
INFO 1002	Introduction to Information Technology	4.5	FA, WI, SP, SU	INFO Core

Additional Notes:

Quarter 2

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
GEN ED	Quantitative/ Numeracy	4.5	FA, WI, SP, SU	Student choice
INFO 1003	Problem Solving and Programming Logic	4.5	FA, WI, SP, SU	

Additional Notes:

Quarter 3

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
INFO 1620	Introduction to Database Design	4.5	FA, WI, SP, SU	
INFO 1009	Introduction to Cloud Computing	4.5	FA, WI, SP, SU	

Additional Notes:

Quarter 4

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
GEN ED	Professionalism, Life Skills and I. T.	4.5	FA, WI, SP, SU	Student choice
INFO 2633	Introduction to NonRelational Data	4.5	WI/SU	Prereq 1620

Additional Notes:

Year 2

Quarter 5

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
INFO 2635	MySQL Programming	4.5	Fall and Spring	Prereq 1620
INFO 1000	Workplace Skills for I. T. Professionals	4.5	FA, WI, SP, SU	Major Requirement

Additional Notes:

Quarter 6

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
GEN ED	Natural Science or Social Science	4.5	FA, WI, SP, SU	Student choice
INFO 2641	SQL Server Design and Implementation	4.5	WI/SU	Prereq 1620

Additional Notes:**Quarter 7**

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
Gen ED	Critical Thinking	4.5	FA, WI, SP, SU	Student choice
INFO 2640	Oracle SQL and PL/SQL Programming	4.5	FA/SP	Prereq INFO 1620

Additional Notes:**Quarter 8**

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
INFO 2642	T-SQL	4.5	WI/SS	Prereq INFO 1620
Level 1 programming option 1		4.5	FA, WI, SP, SU	Students choose between a list of pairs of programming language classes

Additional Notes: Apply for DBACC**Year 3****Quarter 9**

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
Level 2 programming option 1		4.5	FA, WI, SP, SU	Students choose between a list of pairs of programming language classes
INFO 2341	Fundamentals of software testing	4.5	FA, WI, SP, SU	

Additional Notes: Apply for DBACC & DSACC**Quarter 10**

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
INFO 1335	Full Stack Application Development	4.5	FA/SP	Prereq info 1003
Level 1 programming option 2		4.5	FA, WI, SP, SU	Students choose between a list of

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
				pairs of programming language classes

Additional Notes:

Quarter 11

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
Level 2 programming option 2		4.5	FA, WI, SP, SU	Students choose between a list of pairs of programming language classes

Additional Notes: Apply for ITPCC; Apply for AASIT