Database Technology - Oracle Database Administration
Associate in Science | Code: 25058 | 60 credits
CIP (1511080200**)**
Effective Term: Fall 2024 (2247)

The Database Technology program is designed to provide an opportunity to establish a basic foundation in the field of database administration for employment in commercial, industrial and government institutions. Graduates are prepared for positions as database administrators and database developers.

GENERAL EDUCATION REQUIREMENTS (15.00 credits)
COMMUNICATIONS (3.00 credits)

ENC 1101	English Composition	(3 credits)	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).

HUMANITIES (3.00 credits)

ARH 1000	Art Appreciation	(3 credits)	
HUM 1020	Introduction to Humanities	(3 credits)	
LIT 2000	Introduction to Literature	(3 credits)	Prerequisite: ENC 1101
MUL 1010	Music Appreciation	(3 credits)	
PHI 2010	Introduction to Philosophy	(3 credits)	Prerequisite: ENC 1101
THE 2000	Theatre Appreciation	(3 credits)	

MATHEMATICS (3.00 credits)

MAC 1105	College Algebra	(3 credits)	Prerequisite: MAT 1033♦

♦**Note:** Students must seek advisement for proper mathematics course from discipline chairperson.

NATURAL SCIENCE (3.00 Credits)

AST 1002	Descriptive Astronomy	(3 credits)
BSC 1005	General Education Biology	(3 credits)
CHM 1020	General Education Chemistry	(3 credits)
ESC 1000	General Education Earth Science	(3 credits)
EVR 1001	Introduction to Environmental Science	(3 credits)
GLY 1010	Physical Geology	(3 credits)
OCE 1001	Introduction to Oceanography	(3 credits)
PHY 1020	General Education Physics	(3 credits)

SOCIAL SCIENCE (3.00 credits)

AMH 2010	History of the US to 1877	(3 credits)
AMH 2020	History of the US since 1877	(3 credits)
POS 2041	American Federal Government	(3 credits)

COMPUTER COMPETENCY
Test type(s) needed:
Computer Competency Test (CCT)
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CGS 1060C	Introduction to Computer Technology & Applications

MAJOR COURSE REQUIREMENTS (32.00 credits)

CGS 1060C	Introduction to Computer Technology & Applications	(4 credits)	
CGS 1540C	Database Concepts and Design	(4 credits)	
COP 1334	Introduction to C++ Programming	(4 credits)	
COP 2800	Java Programming	(4 credits)	Prerequisite: COP 1334
CTS 2440	Introduction to Oracle: SQL and PL/SQL	(4 credits)	Prerequisite: CGS 1060C
CTS 2441	Introduction to Oracle Database Administration	(4 credits)	Prerequisite: CTS 2440
CTS 2442	Intermediate Oracle Database Administration	(4 credits)	Prerequisite: CTS 2441
CTS 2444	Oracle Database Performance Tuning	(4 credits)	Prerequisite: CTS 2442

MAJOR COURSE ELECTIVE (13.00 credits)

Electives are restricted to courses listed below:

CAP*, CEN*, CGS*, CIS*, COP*, CTS*