

## DATABASE TECHNOLOGY

### Oracle Software Engineering (Database Developer Option) Technical Certificate Major Code 62385

#### **Related Programs**

Oracle Database Administrator Associate in Science Major Code 21492<sup>§</sup>

Oracle Database Developer Associate in Science Major Code 21134<sup>§</sup>

Microsoft Certified Database Administrator (MCDBA) Associate in Science Major Code 21494

Oracle System Administrator (Database Administrator Option) Technical Certificate Major Code 62386

<sup>§</sup> *Students can earn a degree from 21491, 21493, 21492 or 21134, but not from two or more of these programs.*

#### **Entrance Requirements**

- HS Diploma or GED
- PERT

The PERT test places students into preparatory level reading, writing and math courses designed to prepare them for college-level coursework. Recent ACT or SAT score may also be used for placement. For more information, see <http://www.broward.edu/testing/>. Students who test into college prep courses must successfully complete all of the required coursework to qualify for graduation.

#### **Required Courses**

CIS 1000C	Introduction to Computer Science	3
COP 1334C	Introduction to C++ Programming <sup>1</sup>	3
CIS 2321C	Systems Analysis & Design <sup>2</sup>	3
COP 1335C	Intermediate C++ Programming <sup>2</sup>	3
COP 2361C	Object-Oriented Analysis & Design <sup>3</sup>	3
COP 2700C	Introduction to SQL <sup>2</sup>	3
CTS 2445C	Oracle Developer: Develop PL/SQL Program Units <sup>4</sup>	4
CTS 2446C	Oracle Forms: Build Internet Applications <sup>5</sup>	4
COP 2800C	Programming in Java <sup>6</sup>	3
CIS 1513C	Project Management <sup>7</sup>	3
Elective	Elective	1
<b>Total Program Semester Hours</b>		<b>33</b>

<sup>1</sup> Prerequisite – MAT 1033 or MTB 1310

<sup>2</sup> Prerequisite – COP 1334C (with a grade of C or higher)

<sup>3</sup> Prerequisites – COP 1334C and CIS 2321C (each with a grade of C or higher)

<sup>4</sup> Prerequisites – CIS 2321C and COP 2071C (each with a grade of C or higher)

<sup>5</sup> Prerequisite – CTS 2445C (with a grade of C or higher)

<sup>6</sup> Prerequisites – CIS 2321 and COP 1335C (each with a grade of C or higher); Pre/Co-requisite – COP 2361C

<sup>7</sup> Prerequisite – CGS 1060C (with a grade of C or higher) or Placement

**It is strongly recommended that students see an academic advisor every term**