**CLASS TITLE: Data Warehouse Developer**

**BASIC FUNCTION:**

Under the direction of an assigned supervisor, perform design, development, implementation, maintenance and enhancement related activities necessary to support data warehousing, business intelligence and reporting systems.

**DISTINGUISHING CHARACTERISTICS:**

The Data Warehouse Developer is a key member of the Data Warehouse and Reporting team that is responsible for implementing and delivering business intelligence and reporting solutions. The Data Warehouse Developer is distinguished from the Data Warehouse Administrator in that the former receives instruction and assistance from the Data Warehouse Administrator.

**REPRESENTATIVE DUTIES:**

Develop an in-depth understanding of data maintained in various transactional systems and how data from these systems are best organized and integrated to support transactional, reporting, and analytic needs.

Analyze complex business processes and analytics requirements in higher education and develop cost effective solutions using Ellucian's Operational Data Store (ODS), Oracle Discoverer, Argos and other reporting tools and software

Create, and maintain relational and dimensional data structures within the data warehouse and operational data store to meet functional requirements and optimize performance.

Develop and maintain data marts, data cubes, queries, and reports

Develop and maintain data models and data maps for data warehouse system and operational data store.

Develop processes and applications for migration/transformation of data from College-wide systems to the data warehouse system and operational data store

Coordinate, schedule, and test upgrades to the data warehouse and reporting systems

Research and evaluate software, system upgrades and enhancements and provide technical recommendations

Provide assistance to end users and programmers regarding data warehouse/reporting related problems and issues

Manage end-user accounts and accessibility; provide technical expertise to end-users who create complex queries and reports

Work closely with key internal customers to identify opportunities to further and better support KCCD operations in terms of reporting and information access

Keep current with the latest technology; regularly attend technical training in order to maintain technical expertise

Perform related duties as assigned.

## KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:
Data Warehouse and Data Mart concepts, structures and systems
Extract, Transform and Load processes
Reporting design and delivering reporting solutions
Relational database concepts
PL/SQL coding
End-user reporting tools
Windows and Unix operating systems
Basic statistical methods

ABILITY TO:
Develop in-depth knowledge and understanding of systems capabilities, end-user's information needs and underlying business practices
Analyze data and develop logical solutions for information access problems
Develop SQL statements, procedures and functions
Debug and solve problems
Prepare work plans and time lines for projects and proposed systems
Manage multiple priorities, follow project plans and meet project deliverables
Complete assignments on time
Learn new skills and adapt to changes in technology
Continuously update personal knowledge of industry-leading technology
Communicate effectively both orally and in writing
Establish and maintain cooperative and effective working relationships with others

## EDUCATION AND EXPERIENCE:

Any combination equivalent to: Bachelor's degree in Information Systems, Computer Science or related field and some experience working with or supporting information technology systems.

**OR**

An Associate's degree and 2 years of work experience such as described in the representative duties section of the specification and working with and supporting data warehousing, business intelligence and reporting systems.


**OR**


High school diploma, GED or equivalent certificate of competency and 4 years of work experience such as described in the representative duties section of the specification and working with and supporting data warehousing, business intelligence and reporting systems.

Preferred: One year of data warehouse and reporting experience.

**WORKING CONDITIONS:**

ENVIRONMENT:
Office environment.

PHYSICAL DEMANDS:
Incorporated within one or more of the previously mentioned essential functions of this job description are essential physical requirements. The chart below indicates the percentage of time spent on each of the following essential physical requirements.

1. Seldom = Less than 25 percent
2. Occasional = 25-50 percent

3. Often = 51-75 percent
4. Very Frequent = 76 percent and above

4   a.  Ability to work at a desk, conference table or in meetings of various configurations.
1   b.  Ability to stand for extended periods of time.
4   c.  Ability to sit for extended periods of time.
4   d.  Ability to see for purposes of reading printed matter.
2   e.  Ability to hear and understand speech at normal levels.
2   f.  Ability to communicate so others will be able to clearly understand a normal conversation.
1   g.  Ability to bend and twist.
1   h.  Ability to lift 25 lbs.
1   i.  Ability to carry 25 lbs.
4   j.  Ability to operate office equipment, computer or related peripherals.
1   k.  Ability to reach in all directions.


*This job description is intended to describe the general nature and level of work being performed. It is not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of individuals so classified.*