

ROP Database Design and SQL

COURSE DESCRIPTION

Learn to analyze complex business scenarios and create a data model—a conceptual representation of an organization’s information. Implement your database design by creating a physical database using SQL (Structured Query Language). This course culminates with a project that challenges students to design, implement, and demonstrate, with an App, a database solution for a business or organization.



Technical Skills

- ◆ Helps prepare Students for the Oracle SQL Certified Expert Certification
- ◆ Learn about database management systems (implement and design)
- ◆ Basic database programming theory
- ◆ Stages of program development
- ◆ Basic SQL (Structured Query Language) syntax and rules for constructing valid statements

Professional Skills

- ◆ Students will work on a team to create an idea for a business, learn about software development and produce a working database and Android App
- ◆ Motivated students may secure internships with business partners like Hewlett Packard and Intel
- ◆ Research employment opportunities, prepare a resume, prepare for an interview and learn how to apply for employment

Folsom Lake Articulation

- ◆ This course is articulated with CISP 351 Database Design and SQL. Students with a passing grade of "B" or higher, may earn 3 Folsom Lake College college credits.
- ◆ Course is designed for students with previous experience or a strong interest in computer coding

For more information, visit your High School Career Center or the Central Sierra Regional Occupational Program



El Dorado High School District

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<http://www.eduhsd.k12.ca.us/Educational-Services/Career-Technical-EducationROP>

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