

ORACLE[®] Academy

At Centennial High School



Why the Oracle Academy?

A direct connection to Business and Industry...

Oracle Corporation is the world's leading provider of enterprise software and the world's second largest software company with revenues of more than 10 billion dollars. We offer our customers the ability to harness the power of information through database technology, application development tools, enterprise applications, and a host of information technology (IT) services.

College Credits available...

Dual Enrollment credits with Boise State University, Department of Networking and Computer Information Systems.

A great addition to the school...

The Oracle Academy is a strategic relationship with secondary institutions to empower students with technical and professional skills that employers demand. By partnering with Oracle, each school receives an in-kind grant of more than \$133,000 per year that includes curriculum, professional development, instructor support and hosted software. The curriculum complies with several nationally recognized standards.

- National Workforce Center for Emerging Technology (NWCET)
- National Math, English, and Social Studies
- Ohio IT.WORKS
- States' Career Clusters
- Advanced Placement Computer Science exam (APCS)

High-Quality Professional Development...

Each instructor receives over 100 hours of professional development, which includes online and in-person training and prepares them to sit for industry-recognized certification. Mentors are provided to work closely with new teachers to ensure IT proficiency and understand best practices. Instructors receive support from Oracle throughout the school year to ensure their success with the new material.

Student-empowered learning...

Leveraging the power of small learning communities, they learn database technology in the context of collaborative projects. They are motivated to investigate business requirements, create conceptual models, execute according to a plan, present and defend their work, and evaluate others. They won't learn solely about the IT business; they will experience what it takes to be successful in the any business. Students are encouraged to network with local businesses and have the opportunity to compete in an international student competition.

What are your students' future opportunities?

	Path #1	Path #2
Title	Entry Level Database Engineer	Entry Level Programmer
Description	Maintaining the integrity of data. Running queries against the database.	Reviews, analyzes, and modifies programming systems including encoding, testing, debugging and documenting programs.
Requirements	0 - 2 yrs. + Bachelors degree	0 - 2 yrs. + associate's degree
Salary	\$47,000 - \$56,000	\$57,000 - \$55,000
Title	Database Administrator	Software Engineer
Description	Extensive analysis and problem solving. Maintain database configuration and ensure data feed accuracy and quality	Designs, modifies, develops, writes and implements software programming applications
Requirements	2 - 5 yrs. + Bachelors degree	2 - 5 yrs. + Bachelors degree
Salary	\$65,000 - \$100,000	\$61,000 - \$95,000
Title	Sr. Database Administrator	Project Manager
Description	Development, implementation, enhancement and maintenance of database. Support and Maintenance of the Databases	Management of product design, engineering, implementation and integration. Initiating and maintaining partner relationships.
Requirements	5+ yrs. + Bachelors degree	4+ yrs. + Bachelors degree
Salary	\$100,000+	\$100,000+

Students who would enjoy this class

The curriculum is designed for students from diverse backgrounds. We've demonstrated success with college-bound students, at-risk students, and career technical education (CTE) students in a variety of school environments. Young women and minorities have also highly achieved in our classes due to not only focusing on technical skills but also providing numerous opportunities to work with friends, solve real problems, and apply what you know to the real world. In fact, any student that demonstrates an aptitude for learning and a passion for technology can succeed in this program. We provide numerous access points for understanding how technology is used in a wide variety of careers.

Oracle class pre-requisites

- 9th grade reading and writing level
- **Algebra I** (Honors Math Helpful)
- Typing skills
- **Internet Applications 1** (HTML/JavaScript Programming) and/or Intro to Computer Programming (Pre-AP Java Programming)

Course Sequence:

- 9th Grade: Internet Apps 1/ Geometry
- 10th Grade: Oracle I (Database Design)/Algebra 2
- 11th Grade: Oracle II (Database Develop)
- 12th Grade: AP Java Programming