Institutions and their educators can use our free modular curriculum and learning pathways to help learners expand knowledge, develop career-ready skills, and innovate. Our curriculum and resources are created by educators for educators, to offer computing education course pathways spanning from one semester to three years. Member educators receive access to professional development, curriculum, software, and teaching resources.

Our database curriculum is designed for secondary school and higher education learners. Students are able to learn and practice in Oracle Autonomous Database with the Oracle Academy Cloud Program and with Oracle APEX cloud-enabled practice environments.

With Oracle Academy curriculum, students engage in hands-on learning and develop both database and skills such as problem solving, collaboration, and critical thinking. The knowledge and practical skills students gain help them become career ready across industries.

Database Curriculum

Capitalizing on Oracle’s leadership in database, Oracle Academy offers educators rigorous, engaging database curriculum that employs industry-leading technologies to spark student curiosity and imagination and teach critical technology knowledge and skills.

**DATABASE CURRICULUM**

**Database Foundations**
Students with little database experience learn database design techniques, design databases using a modeling tool, and are introduced to SQL to implement and query databases using hands-on, engaging activities.

90 Hours

**Applied Database Systems**
Students develop a range of skills and the building blocks required to build Oracle Database solutions, including systems development with a focus on basics, applications, data integration, database resiliency and security, machine learning, and data management.

90 Hours

**Database Design**
Students learn to analyze complex business scenarios and create a data model (a conceptual representation of an organization’s information), culminating with a project that challenges them to design a database solution for a business or organization.

90 Hours

**Database Programming with SQL**
Students implement database designs by creating physical databases using SQL. The curriculum introduces basic SQL syntax and the rules for constructing valid SQL statements.

90 Hours

**Database Programming with PL/SQL**
Students are introduced to PL/SQL and explore how it extends and automates SQL in administering the Oracle database, and create projects to design, implement, and demonstrate a database solution for a business.

180 Hours

**Application Development Foundations**
Students learn techniques and tools required to develop database-driven web applications as well as how to design, develop, and deploy them using Oracle APEX.

90 Hours
Oracle Academy, Oracle's global philanthropic educational program, is open to educators around the world to advance technology education, skills, innovation, and diversity and inclusion. We offer academic institutions and their educators free teaching and learning resources—including curriculum, cloud, software, and professional development—that help them prepare students with knowledge, hands-on practice, and career-relevant skills.

Join Oracle Academy today and access all the benefits of membership.

Learn more about Oracle Academy database curriculum at academy.oracle.com/curriculum

DATABASE CURRICULUM LANGUAGE AVAILABILITY

<table>
<thead>
<tr>
<th>Course</th>
<th>Arabic</th>
<th>Chinese (Simplified)</th>
<th>English</th>
<th>French</th>
<th>Indonesian</th>
<th>Japanese</th>
<th>Portuguese (Brazil)</th>
<th>Russian</th>
<th>Spanish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Database Foundations</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Applied Database Systems</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Database Design</td>
<td>✔</td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Database Programming with SQL</td>
<td>✔</td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Database Programming with PL/SQL</td>
<td>✔</td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Application Development Foundations</td>
<td>✔</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>

Oracle Academy, Oracle's global philanthropic educational program, is open to educators around the world to advance technology education, skills, innovation, and diversity and inclusion. We offer academic institutions and their educators free teaching and learning resources—including curriculum, cloud, software, and professional development—that help them prepare students with knowledge, hands-on practice, and career-relevant skills.