

# RESEARCH DATA MANAGEMENT CERTIFICATE

The Research Data Management Certificate offered by REd is organized by the Grant Life Cycle.

To complete the certificate, please take **RED 304 | Introduction to Research Data Management**, then at least 1 class from each column.

**\*Classes not yet numbered are coming soon!**

PLANNING & DESIGN	COLLECT & ANALYZE	STORE & EVALUATE	SHARE & PUBLISH	ELECTIVE CLASSES
<ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">RED 764   Data Management &amp; Sharing Plans</a></li> <li><input type="checkbox"/> <a href="#">FAIR &amp; Open Science</a></li> <li><input type="checkbox"/> <a href="#">Onboarding Procedures for Research Consistency</a></li> <li><input type="checkbox"/> <a href="#">Understanding Federal Policies</a></li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">RED 765   Data Wrangling and Cleaning in OpenRefine</a></li> <li><input type="checkbox"/> <a href="#">Data Biz - Best Practices</a></li> <li><input type="checkbox"/> <a href="#">Research Data Already Available (Sourcing Data)</a></li> <li><input type="checkbox"/> <a href="#">Handling Sensitive Data (Working with Indigenous Populations, human subjects, endangered species, etc)</a></li> <li><input type="checkbox"/> <a href="#">Selecting a Repository</a></li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">RED 763   LabArchives</a></li> <li><input type="checkbox"/> <a href="#">Proper File Management</a></li> <li><input type="checkbox"/> <a href="#">Where to Store Data During Research</a></li> <li><input type="checkbox"/> <a href="#">Documentation for Depositing Data</a></li> <li><input type="checkbox"/> <a href="#">Curating &amp; Quality Assurance</a></li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">RED 357   Getting Published: Responsible Authorship and Peer Review</a></li> <li><input type="checkbox"/> <a href="#">Copyright</a></li> <li><input type="checkbox"/> <a href="#">Selecting a Data Repository</a></li> <li><input type="checkbox"/> <a href="#">EndNote</a></li> <li><input type="checkbox"/> <a href="#">Academic Freedom and Authorship at the UofU</a></li> <li><input type="checkbox"/> <a href="#">AI Considerations in Publishing</a></li> </ul>	<p><b>Non-Biosciences Electives</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">RED 766   Ethical Data Visualization</a></li> <li><input type="checkbox"/> <a href="#">Access During Certain Times of Year</a></li> <li><input type="checkbox"/> <a href="#">Reproducibility in Research</a></li> <li><input type="checkbox"/> <a href="#">Using Data in AI (Penny's group)</a></li> </ul> <p><b>Biosciences Electives</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">RED 767   Ways Data Collection Can Go Wrong</a></li> </ul>