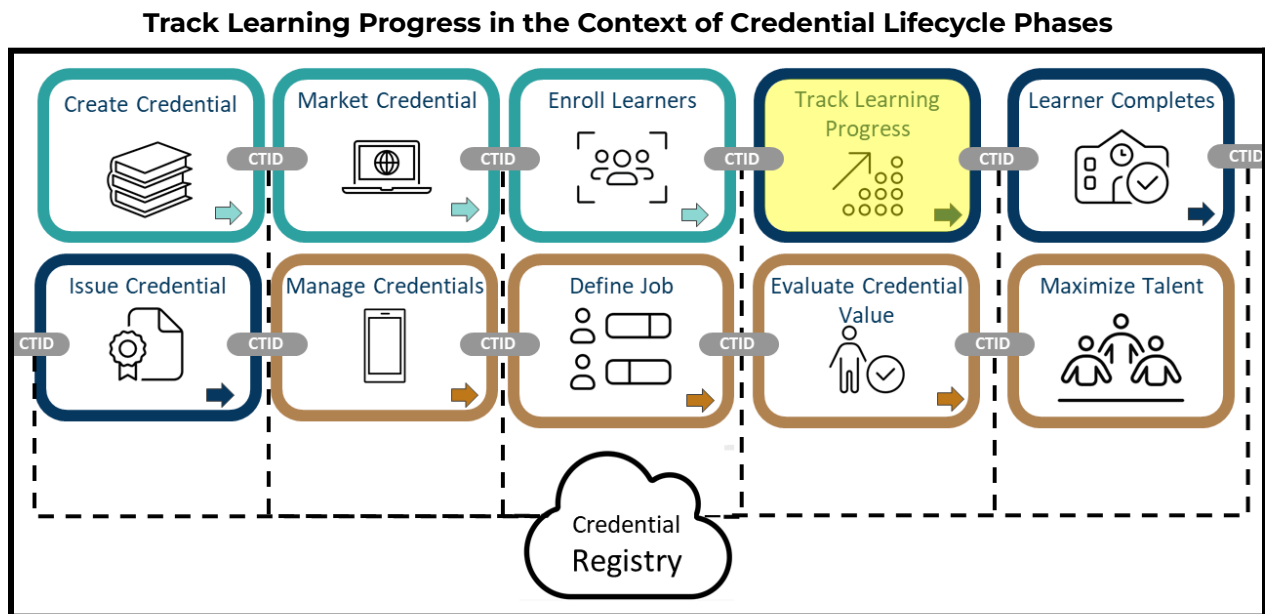




## Lifecycle Phase: Track Learning Progress

Credential providers can harness the Credential Transparency Description Language (CTDL) to represent and streamline their curricular, instructional, and assessment frameworks, significantly improving the tracking of learning progress across various technologies. By eliminating ambiguities related to credential terms and connections, CTDL enhances clarity and facilitates more effective communication within educational programs. This precise depiction is useful not only for learners, who can track their educational efforts directly towards their career aspirations, but also for instructors, counselors, and administrators tasked with supporting and guiding their educational journey.

CTDL streamlines the management of credential and learning-related data, enhancing educational clarity and efficiency. By facilitating seamless integration across diverse IT systems such as Learning Management Systems (LMS), Student Information Systems (SIS), assessment tools, and professional development platforms, CTDL supports the creation of comprehensive reporting, real time dashboards, institutional research, and contextualized advising support. When fully deployed, these integrations significantly boost the effectiveness of educational programs, fostering greater student engagement, persistence, and success.



### Credential Transparency Description Language (CTDL): Key Data

- **Competency:** A specific ability, skill, or knowledge that a learner is expected to acquire, clearly defined within a context that can include courses, rubrics, and performance criteria.
- **Assessment:** A method used to evaluate, measure, and document a learner's performance or demonstration of a specific competency or set of competencies.

- **Progression Levels:** Defined stages or milestones within a pathway or program that delineate the increasing complexity, depth, and mastery of competencies expected from learners.

### Call to Action for Using CTDL When Tracking Learning Progress

- Use CTDL as a foundational data strategy across your edtech integrations to develop a coherent and supportive learning environment that fosters student success and institutional excellence.

### Track Learning Progress: Who, What, and Where

CTDL can enhance the quality and effectiveness of educational programs by providing a standardized language through which key information for tracking learning is defined, measured, and communicated.

Who	What (CTDL Terms)	Where
<b>Learners</b>	course, assessment, competency, progression level	Digital Portfolios, Dashboards,, LMS
<b>Instructors</b>	competency frameworks, rubric, performance criteria	Alerts, Educational Management Systems, LMS
<b>Institutional Researchers</b>	program evaluation metrics, outcomes	Analytic Tools, Data Warehouse, Operational Data Store
<b>Administrators</b>	credential type, outcomes	Program Dashboards, Analytic Reporting Tools
<b>Accreditors</b>	competencies, outcomes, services, process profile	Satisfactory academic progress reports, Accreditation Platforms
<b>Employers</b>	organization, credential, competencies	HR systems, Learning and Employment Records

### Key Questions to Address

1. What reports track learning progress and how are CTIDs used to assemble this information across multiple IT systems?
2. How are CTDL terms for program, course, assessment, rubric, and competency used to aggregate information across multiple systems in order to track learning progress?
3. Where are individuals' learning assessment results stored and how are CTDL terms, such as program, course, and competency, used to help contextualize and interpret results?
4. How are the CTID's for a credential's requirements connected with an individual's achievements in order to report on their progress?
5. How are long-term outcomes of credential earners tracked and integrated with CTDL data to improve credential offerings?

### Important Uses

- **Dashboards:** Display a unified view of learning progress by connecting CTDL data for program, course, assessment, competencies, and rubrics with learner achievements, allowing real-time tracking for learners, educators, and administrators.
- **Learning Analytics:** Enrich learning analytics and contextualize results using CTDL data for pathways, identifying patterns, and forecasting outcomes to facilitate curricular and instructional improvements.
- **Advising:** Help students proactively based on their tracked progress so they can benefit from CTDL described support services or additional offerings, enabling tailored advising that supports each student's success.



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