Australian Government

BSBDIG406X Develop Advanced Digital Artificial Intelligence (AI) Skills

DRAFT

Release: 1

BSBDIG406X Develop Advanced Digital Artificial Intelligence (AI) Skills

Modification History

Release	Comments
1	This unit of competency was first released in BSB Business Services Training Package Release 9.0.

Unit outcomes

This unit describes the skills and knowledge required to implement, evaluate and adopt AI applications across diverse workplace contexts.

The primary purpose of this unit is to develop advanced digital capabilities that support specialised application across diverse workplace contexts and underpin further vocational training. Learners apply these capabilities across all industries in complex, non-routine workplace tasks at an advanced level.

Learners develop advanced capability across five competence areas:

- Applying AI and data practices
- Challenging AI output
- Applying responsible AI practices
- Coordinating human-AI collaboration
- Applied AI integration in workplace processes.

Licensing/Regulatory Information

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Knowledge

On successful completion of this unit, learners will have advanced knowledge of:

- Approaches for implementing AI systems in non-routine workplace contexts
- Methods and criteria for assessing AI outputs and system performance
- Frameworks for identifying bias, fairness considerations, inconsistency, error and synthetic media risks in AI-generated results
- Ethical AI practices and risk management approaches applicable to organisational contexts (disclosure and attribution of AI-generated content, lawful data handling, consequential decision thresholds, and auditable records of AI use)
- Strategies for optimising collaboration between people and AI systems
- Approaches for supporting and guiding others to work effectively with AI tools

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- Methods for implementing AI tools within workplace processes
- Strategies for enabling sustainable organisational AI adoption, including environmental impact considerations associated with AI training and operation.

Skills

On successful completion of this unit, learners will have skills to:

- Implement AI applications across workplace processes, including AI tools introduced to support existing tasks
- Demonstrate AI applications and share structured approaches to promote practical AI use among colleagues
- Evaluate AI outputs and system performance using defined quality criteria, identifying limitations and biases through systematic evaluation
- Advise a colleague on assessment strategies, including verification procedures and evaluation criteria
- Apply ethical AI practices, privacy controls, security measures and vendor or tool assurance considerations in workplace contexts
- Address AI adoption risks, supporting a colleague in risk identification
- Coordinate effective human-AI collaboration by embedding appropriate human oversight
- Coach a colleague to optimise human-AI partnerships while maintaining critical thinking
- Integrate AI tools within workplace processes, aligning AI use with organisational objectives and building capability in others.

Application of Knowledge & Skills

Learners work independently within established workplace frameworks and procedures, applying judgement to implement, evaluate and support AI use across varied workplace contexts.

This applies to non-routine workplace AI tasks requiring analysis and evaluation across diverse organisational contexts, including situations with multiple variables and stakeholder considerations.

Learners will follow:

- Established workplace frameworks and procedures for AI implementation, evaluation and support
- Escalation to specialist AI expertise or organisational policy guidance when matters fall outside established frameworks, including bias, fairness and ethical practice considerations requiring specialist expertise.

Learners are responsible for:

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- Making informed decisions about AI tool selection, implementation approaches, output evaluation criteria and human oversight requirements across varied contexts, and exercising judgement on bias, fairness, ethical practice and adoption risks.

Learners are accountable for:

- The selection and application of AI tools and approaches, and the verification of outputs from AI systems against defined quality and ethical criteria
- The quality of AI implementation outputs in their own work and in supporting and guiding the work of others.

Pre-requisite unit(s)

No pre-requisite units

Competency field(s)

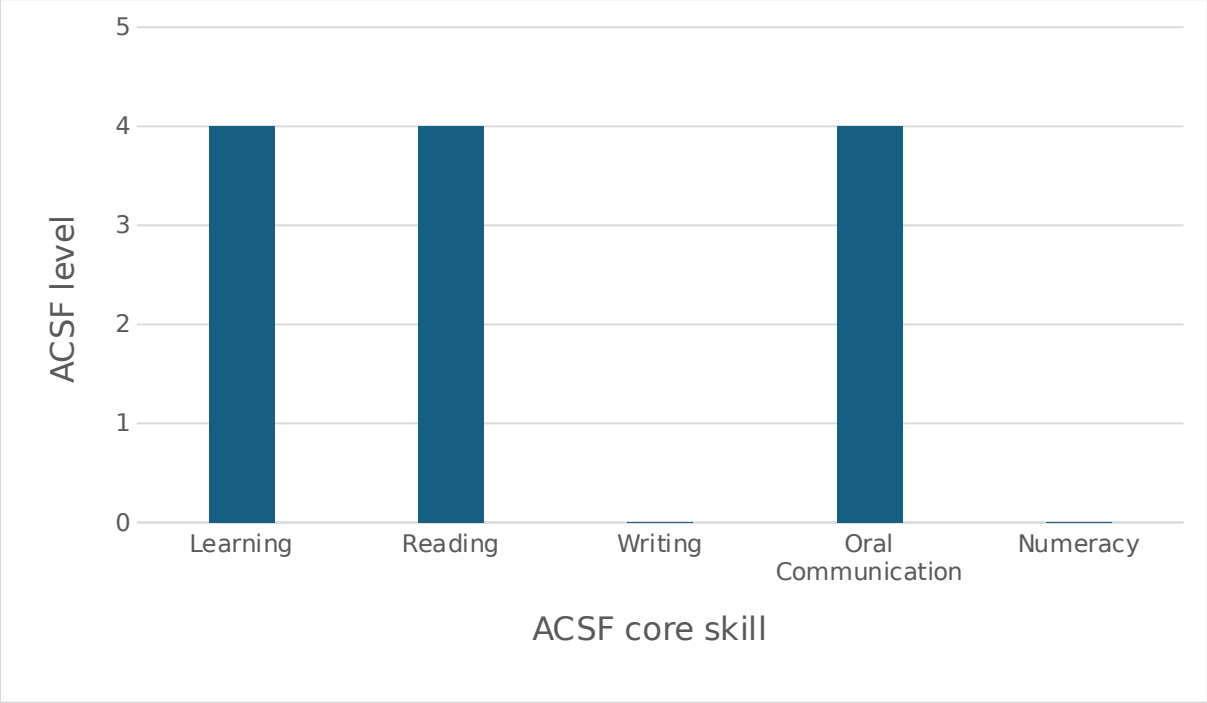
Digital Competence

Unit sector(s)

Digital Capability

Foundation skills

The foundation skills in this unit are outlined below



Core Skills	ACSF Indicators and Performance Features
Learning	Designs, reflects on and redesigns approaches, adapting strategies to

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	new contexts. Self-directing learning in an expanding range of contexts and using formal approaches to maintain currency in a specialised field.
Reading	Interprets and critically analyses complex texts. Understanding texts with complex structures and some technical specificity, synthesising information from several sources, and beginning to evaluate credibility and relevance as a routine part of reading.
Writing	No ACSF level assigned.
Oral Communication	Shows flexibility, choosing structures and strategies across a range of contexts. Complex oral exchanges such as exploring issues, problem solving and reconciling points of view, with control of oral genres such as reports and discussions.
Numeracy	No ACSF level assigned.

Range of conditions

N/A

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Assessment Requirements for BSBDIG406X Develop Advanced Digital Artificial Intelligence (AI) Skills

Performance Evidence

Learners must demonstrate ability to:

- Implement AI-enabled solutions using at least three different AI tools across a workplace process
- Evaluate AI outputs and system performance against defined quality criteria, identifying and addressing limitations, bias, inconsistency or error
- Apply ethical AI principles, data governance requirements and privacy controls to manage AI-related risks in a workplace context, including incident identification and response
- Coordinate effective human-AI collaboration in a workplace task, embedding appropriate human oversight and verification
- Support AI adoption that builds sustainable organisational capability, coaching a colleague to optimise human-AI partnerships and collaborative effectiveness.

Knowledge Evidence

Learners must demonstrate advanced knowledge of:

- Approaches for implementing AI systems in non-routine workplace contexts
- Methods for assessing AI outputs and system performance, and frameworks for identifying bias, fairness considerations, inconsistency, error and synthetic media risks in AI-generated results
- Ethical AI practices and risk management approaches applicable to organisational contexts, including disclosure and attribution of AI-generated content, lawful data handling, consequential decision thresholds, and auditable records of AI use
- Strategies for optimising collaboration between people and AI systems, and approaches for guiding and supporting others to work effectively with AI tools
- Methods for implementing AI tools within workplace processes, and strategies for enabling sustainable AI adoption, including the environmental impact of AI training and operation.

Assessment Conditions

N/A

Mandatory Workplace Requirements

Assessment of performance evidence may be in a workplace setting or an environment that accurately represents a real workplace.

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Unit Mapping Information

Previous Code and Title	Equivalence	Comments
	Newly created	This unit has been created to address a skill or task required by industry that is not covered by an existing unit of competency

Links

Companion volumes, including implementation guides, are found on the national training register - https://training.gov.au/training/details/BSB.

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