Australian Government

BSBDIG506X Develop Highly Advanced Digital Artificial Intelligence (AI) Skills

DRAFT

Release: 1

BSBDIG506X Develop Highly 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 manage Artificial Intelligence (AI) use and integration across diverse organisational contexts.

The primary purpose of this unit is to develop highly advanced digital capabilities that support strategic leadership across diverse workplace contexts and underpin further professional development. Learners apply these capabilities across all industries in complex workplace tasks at a highly advanced level.

Learners develop highly advanced capability across five competence areas:

- AI and data optimisation
- AI output evaluation
- AI risk management
- Human-centred AI practice
- AI integration and capability development.

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 highly advanced knowledge of:

- Decision-making principles for selecting and applying AI approaches
- Governance frameworks for AI system evaluation and output quality assessment
- Ethical AI practices, risk management approaches and accountability mechanisms including disclosure, audit and incident response considerations
- Human-centred AI design principles that maintain critical thinking and effective collaboration
- Organisational capability development approaches for AI adoption
- Methods for adopting and integrating AI while maintaining ethical standards.

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Skills

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

- Select and apply AI approaches to resolve complex, non-routine organisational challenges
- Take responsibility for the quality of AI use and integration within a team or work area
- Apply and contribute to frameworks for evaluating AI system performance and output quality
- Assess AI outputs for bias, error and synthetic media risks, applying governance requirements including disclosure and audit trail considerations
- Navigate ethical AI practices and risk management approaches in complex or ambiguous situations, contributing to organisational policies and practices
- Address governance requirements spanning privacy, security, bias, synthetic media, vendor assurance and regulatory considerations
- Design human-centred AI approaches that maintain appropriate oversight and preserve critical thinking
- Integrate human judgement with AI capabilities to navigate complex or competing organisational priorities
- Provide expert advice and mentoring to build another person's understanding of effective human-AI collaboration
- Draw on specialist knowledge to integrate AI tools within workplace processes, contributing to organisational capability development for AI adoption.

Application of Knowledge & Skills

Learners work independently and with significant self-direction across varied workplace contexts, applying specialist expertise to AI practices and providing advice to senior stakeholders on AI implementation.

This applies to complex workplace AI challenges requiring application of frameworks and integration of AI considerations with organisational risk management and compliance requirements, human-centred design principles, and capability development for responsible AI adoption.

Learners will follow:

- Organisational policies and frameworks for AI governance, ethical use and risk management, contributing to their implementation.

Learners are responsible for:

- Making judgement-based decisions about AI approaches, ethical AI use and capability development approaches, within established organisational governance frameworks
- Exercising judgement on AI output quality, risk and accountability mechanisms, human-centred AI approaches that maintain appropriate oversight, and human-AI collaboration boundaries

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- Integrating human judgement with AI capabilities to navigate complex competing priorities
- Determining when specialist expertise, legal or regulatory advice, or senior consultation is required.

Learners are accountable for:

- Leading AI initiatives in the workplace, the selection of AI approaches and the application of ethical AI practices
- Contributions to organisational policies for ethical AI use, output evaluation and risk management
- The application of governance frameworks and organisational systems in their own work
- Contributing to capability development initiatives for AI adoption, and building capability in others.

Pre-requisite unit(s)

No pre-requisite units

Competency field(s)

Digital Competence

Unit sector(s)

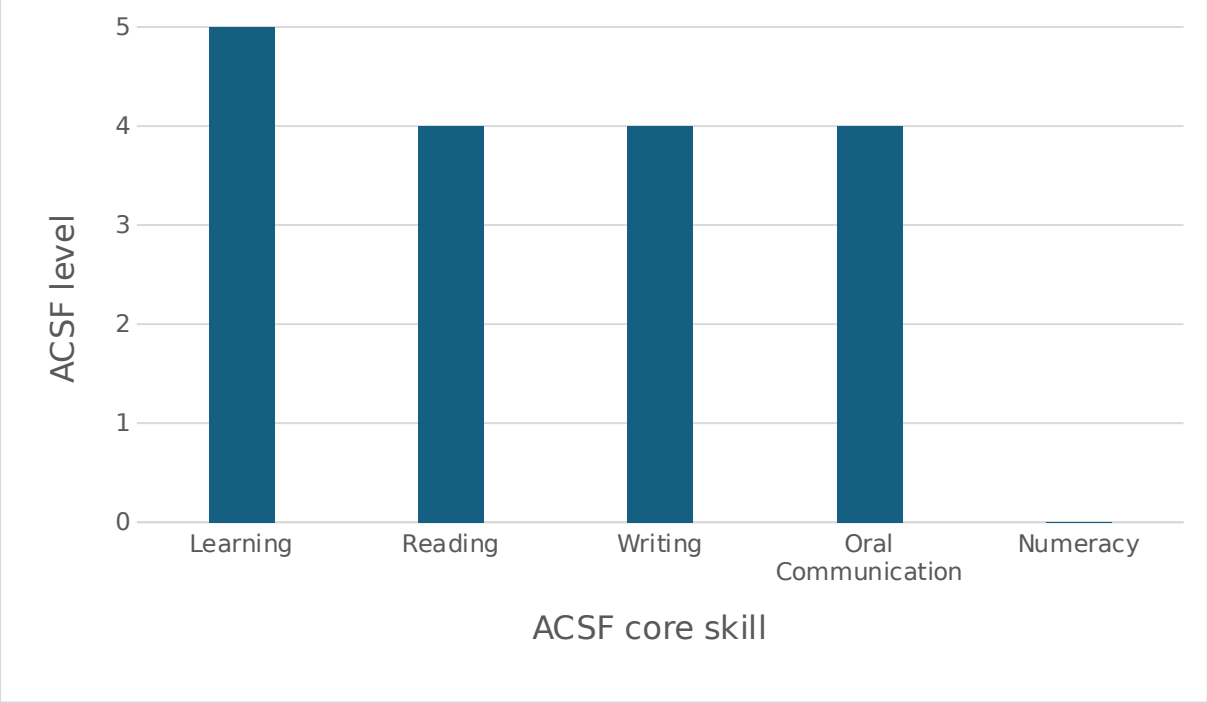
Digital Capability

Foundation skills

The foundation skills in this unit are outlined below

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Core Skills	ACSF Indicators and Performance Features
Learning	Self-directs learning, drawing on a broad and expanding repertoire of strategies. Self-directing learning in highly challenging contexts, critically evaluating information from a wide variety of sources, and using structured approaches to currency and critical reflection.
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	Communicates complex relationships between ideas, matching style to purpose and audience. Control of text types such as reports and procedures, writing for a range of purposes and integrating information from several sources.
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.

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Range of conditions

N/A

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Assessment Requirements for BSBDIG506X Develop Highly Advanced Digital Artificial Intelligence (AI) Skills

Performance Evidence

Learners must demonstrate ability to:

- Resolve a complex, non-routine organisational challenge by selecting and applying appropriate AI approaches, taking responsibility for the quality of AI use and integration within a team or work area
- Evaluate AI system performance and outputs for bias, error and synthetic media risks, applying governance frameworks addressing privacy, security, vendor assurance and regulatory considerations
- Apply ethical AI practices and risk management approaches to a complex or ambiguous situation, contributing to organisational policies and practices for responsible AI use
- Integrate human judgement with AI capabilities to navigate a task requiring oversight and critical thinking, applying human-centred AI approaches
- Provide expert advice or mentoring that builds another person's capability to integrate AI tools within workplace processes.

Knowledge Evidence

Learners must demonstrate highly advanced knowledge of:

- Decision-making principles applied when selecting and applying AI approaches to workplace tasks
- Governance frameworks used to evaluate AI systems and assess the quality of AI outputs
- Ethical AI practices, risk management approaches and accountability mechanisms, including disclosure, audit and incident response considerations
- Human-centred AI design principles that maintain critical thinking and effective human-AI collaboration
- Organisational capability development approaches for AI adoption, and methods for adopting and integrating AI while maintaining ethical standards.

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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