

## PLOs for Business/Computer Science/Applied Technologies Division - Active Only

Unit Name	Program Level Outcome (PLO) Name	Program Level Outcome (PLO)	Related ICC
Dept - (B/CS) Accounting	Certificate of Achievement / Bookkeeping PLO_1	Demonstrate a knowledge of double entry accounting within financial and cost accounting systems for various business organizations	
	Certificate of Achievement / Bookkeeping PLO_2	Prepare financial statements and reports; analyze these statements to evaluate the financial structure of firm as well as fundamental business concepts, while identifying ethical issues in accounting.	
	Certificate of Achievement-Advanced /Tax Practitioner PLO_1	Demonstrate a knowledge of double entry accounting; prepare financial statements and reports on a tax versus financial reporting basis; analyze these statements to evaluate the financial structure of firm as well as fundamental business concepts, while identifying ethical issues in accounting.	
	Certificate of Achievement-Advanced/Accounting:Practice PLO_1	Demonstrate a knowledge of double entry accounting within financial and cost accounting systems for various business organizations.	
	Certificate of Achievement-Advanced/Accounting:Practice PLO_2	Prepare financial statements and reports; analyze these statements to evaluate the financial structure of firm as well as fundamental business concepts, while identifying ethical issues in accounting.	
	Certificate of Achievement-Advanced/Tax Practioner PLO_2	Demonstrate a knowledge of payroll and income tax laws through recognition and analysis of tax issues and preparation of various federal, state and regulatory reports..	
	Certificate of Achievement-Advanced/Taxation PLO_1	Demonstrate a knowledge of double entry accounting; prepare financial statements and reports on a tax versus financial reporting basis; analyze these statements to evaluate the financial structure of firm as well as fundamental business concepts, while identifying ethical issues in accounting.	
	Certificate of Achievement-Advanced/Taxation PLO_2	Demonstrate a knowledge of payroll and income tax laws through recognition and analysis of tax issues and preparation of various federal, state and regulatory reports.	
	Certificate of Achievement/Accounting PLO_1	Demonstrate a knowledge of double entry accounting within financial and cost accounting systems for various businesses and prepare financial statements and reports; analyze these statements to evaluate the financial structure of firm as well as fundamental business concepts, while identifying ethical issues in accounting.	
	Certificate of Achievement/Accounting PLO_2	Prepare financial statements and reports; analyze these statements to evaluate the financial structure of firm as well as fundamental business concepts, while identifying ethical issues in accounting.	
	Degree: Accounting PLO_1	Demonstrate a knowledge of double entry accounting within financial and cost accounting systems for various business organizations.	
	Degree: Accounting PLO_2	Prepare financial statements and reports; analyze these statements to evaluate the financial structure of firm as well as fundamental business concepts, while identifying ethical issues in accounting.	
	Degree: Taxation PLO_1	Demonstrate a knowledge of double entry accounting; prepare financial statements and reports on a tax versus financial reporting basis; analyze these statements to evaluate the financial structure of firm as well as fundamental business concepts, while identifying ethical issues in accounting.	

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	Degree: Taxation PLO_2	Demonstrate a knowledge of payroll and income tax laws through recognition and analysis of tax issues and preparation of various federal, state and regulatory reports.	
Dept - (B/CS) Automotive Technology	Automotive Technology PLO_1	Students will be prepared to successfully enter the transportation or industrial maintenance industries and/or continue their education.	Annual Program Review
			Strategic Initiative #1
			Strategic Initiative #2
			Strategic Initiative #3
Dept - (B/CS) Business	BUSINESS ADMINISTRATION - A.A. PLO_1	Explain the interactions among the primary functions within business (such as marketing, management, operations, human resources, accounting, finance, and business law) to achieve organizational goals.	
	BUSINESS ADMINISTRATION - A.S. TRANSFER PLO 1	Explain the interactions among the primary functions within business (such as marketing, management, operations, human resources, accounting, finance, and business law) to achieve organizational goals.	
	BUSINESS ADMINISTRATION - COA - PLO_1	Distinguish and explain the primary functions within business such as management, human resources, business law, operations, marketing, accounting, and finance.	
	Business Department	Each student shall acquire the knowledge and skills described in the course level SLOs (Student Learning Outcomes) of the Business courses that student completed at De Anza College.	Critical thinking
			Information literacy
	ENTREPRENEURSHIP - COA PLO_1	Critically evaluate business plans and describe the processes required to start, operate and measure the results of a small business.	
	MANAGEMENT - A.A. PLO_1	Analyze management issues, develop solutions, and compare leadership styles for a given organizational environment.	
	MANAGEMENT - COA - PLO_1	Identify management issues and apply appropriate solutions and leadership styles.	
	MARKETING MANAGEMENT - A.A. PLO_1	Develop an appropriate marketing plan for an organization in a given business environment.	
	MARKETING MANAGEMENT - COA PLO_1	Identify and distinguish the elements of the marketing mix for an organization in a given business environment.	
Dept - (B/CS) Computer Information Systems	Computer Programming Certificates PLO 1	Create a design, implement and debug solutions for computing systems of different levels of complexity using C/C++ or Java or Perl or Visual BASIC.	
	Computer Programming Certificates PLO 2	Create, design, implement, and debug solutions for embedded systems like 8086 IA32 processor using Assembly Language.	
	Computer Programming Certificates PLO 3	Use Unix/Linux utilities and shell features for file manipulation and communication	
	Database PLO 1	Design and create database optimized for defined technical requirements.	Critical thinking
	Database PLO 2	Design, code and debug SQL and PL/SQL programs and apply performance tuning techniques to tune large scale database applications.	Critical thinking
	Database PLO 3	Create, design and debug intermediate level programs with basic C	Critical thinking

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	Database PLO 3	language.	Critical thinking
	ILO Critical Thinking	State criteria assessed in method and assessment data summary: <ul style="list-style-type: none"> <li>Analyze Arguments</li> <li>Evaluate Ideas</li> <li>Empathize With Different Perspectives</li> <li>Utilize Symbols</li> <li>Interpret Literary, Artistic, and Scientific Works</li> </ul>	
	Networking PLO_1	Create algorithms for solving introductory level problems using C though the stages of coding, documenting, debugging, reading and testing with various tools.	
	Networking PLO_2	Create algorithms, code, document, debug, and test shell scripts including utilities and file manipulation that interact with the Unix / Linux OS	
	Networking PLO_3	Recognize networking components and protocols in the context of architectures and technologies for LAN, WAN and Internet networks.	
	Networking PLO_5	Develop and present a plan for improving a business using the business decision making model utilizing software and hardware applications in word processing, spreadsheets, or databases. Also, recognize hardware and networking components in the context of micro computers, and various types of operating systems, architectures and protocols for networks.	
	Project Management Practioner PLO_1	Manage projects by applying Project Management Theory as defined by Project Management Institute (PMI) called Project Management book of Knowledge (PMBOK).	
Dept - (B/CS) Design & Manufacturing Technologies	CNC Machinist/COAA & AS degree PLO_1	Construct and inspect machined projects using CNC equipment with word address programs.	
	CNC Machinist/COAA & AS degree PLO_3	Differentiate and analyze the materials and processes used in manufacturing.	
	CNC Machinist/COAA & AS degree PLO_4	Produce toolpaths with constructed and imported geometry using Mastercam.	
	CNC Machinist/COAA & AS degree PLO_5	Advanced machining skills by independently constructing projects.	
	CNC Machinist/COAA & CAS degree PLO_2	Apply geometric dimensioning and tolerance standards to inspect drawings and inspect parts using a coordinate measuring machine.	
	CNC Programming/COA PLO_1	Select tools and produce toolpaths with constructed and imported geometry.	
	CNC Programming/COA PLO_2	Select tools and produce toolpaths with constructed and imported geometry.	
	CNC Programming/COA PLO_3	Verify toolpaths and create word address programs for CNC machines.	
	CNC Research &Development Machinist/COAA & AS PLO_1	Construct and inspect machined projects using conventional and CNC equipment using word address programs.	
	CNC Research &Development Machinist/COAA & AS PLO_2	Apply geometric dimensioning and tolerance standards to inspect drawings and inspect parts using a coordinate measuring machine.	
	CNC Research &Development Machinist/COAA & AS PLO_3	Differentiate and analyze the materials and processes used in manufacturing.	
	CNC Research &Development Machinist/COAA & AS PLO_4	Analyze, construct, and inspect/diagrams to repair physical and electrical components.	

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	CNC Research & Development Machinist/COAA & AS PLO_5	Produce toolpaths with constructed and imported geometry using Mastercam.	
	Machine Operator/COA PLO_1	Set up and operate conventional and CNC machines safely.	
	Machine Operator/COA PLO_2	Select tools and produce toolpaths with constructed and imported geometry.	
	Machine Operator/COA PLO_3	Verify toolpaths and create word address programs for CNC machines.	
	Mechanical_PLO_1	Solve basic and complex drafting and design application problems using industry standard two-dimensional and three-dimensional software and feature-based parametric design software.	
	Product Model Making/COAA & AS PLO_1	Construct and inspect machined projects using conventional and CNC equipment using word address programs.	
	Product Model Making/COAA & AS PLO_2	Design and construct three dimensional objects	
	Product Model Making/COAA & AS PLO_3	Create part geometry using Solidworks/Pro Engineer cad software.	
	Product Model Making/COAA & AS PLO_4	Differentiate and analyze the materials and processes used in manufacturing.	
	Product Model Making/COAA & AS PLO_5	Produce toolpaths with constructed and imported geometry using Mastercam.	
Dept - (B/CS) Real Estate	Real Estate AA Degree PLO_1	Demonstrate a knowledge of how real property is described, acquired, appraised, financed, encumbered and leased and how title to property is held in California.	
	Real Estate AA Degree PLO_2	Demonstrate a knowledge of the risks, returns, legal issues and ethical issues involved in the purchase, holding and sale of California real estate.	