



CARSON-NEWMAN
A CHRISTIAN UNIVERSITY

Addendum – CPS and Graduate Catalog

Effective August 2022

**Curricula for Integrated Early Childhood
MAT teacher licensure (PreK-3),
56-59 hours**

In order to receive a Master of Arts in Teaching degree in integrated early childhood teacher licensure (PreK-3), the following requirements must be met:

Pre-Student Teaching, 41 hours

EDUC 505, Introduction to Diagnostic Reading Instruction: Techniques & Strategies, 3 hours
EDUC 533, Educational Technology, 3 hours
EDUC 555, Literacy Development through Language Arts, 3 hours
EDUC 558, Foundations of Education, 3 hours
EDUC 561, Effective Home, School, Community Relations, 3 hours
EDUC 601, Curriculum, Instruction, and Management of the PreK-5 Classroom, 3 hours (Practicum required)
IEC 520, Play-based Integrations in Early Childhood, 3 hrs (Practicum required)
IEC 522, Administrative Practices for Integrated Early Childhood Educators, 4 hours (Practicum required)
IEC 515 Math, Science, and Social Studies in the Integrated Early Childhood Classroom, 3 hrs
IEC 655, Reading Instruction and Assessment, 3 hours (Practicum required)
SPED 508, Survey of Persons with Exceptionalities, 3 hours (Practicum required)
SPED 526 Case Management in Special Education, 1 hour
SPED 619, Assessment & Diagnosis of Persons with Exceptionalities, 3 hours
SPED 625, Managing Challenging Behaviors, 3 hours II.

Student Teaching, 9 hours

EDUC 667, Student Teaching: Placement One, 4 hours
EDUC 668, Student Teaching: Placement Two, 4 hours
EDUC 669, Seminar in Student Teaching, 1 hour

Research, 6-9 hrs.

Non-Thesis:
EDUC 630, Educational Research, 3 hours
EDUC 635, Integrating Research and Learning, 3 hours
-or-
Thesis:
EDUC 630, Educational Research, 3 hours
EDUC 631, Research in the Content Field, 3 hours
EDUC 660, Thesis, 3 hours

*EDUC 631, Research in the Content Field, is a prerequisite to EDUC 660, which will add three hours to the overall number of hours required for the MAT degree."

Additional Course Descriptions

IEC 515 Mathematics, Sciences, and Social Studies in the Integrated Early Childhood Classroom, 3 hours

Introduction to methods and materials for teaching mathematics, science, and social studies in grades PreK-3. Activities will focus on curriculum, planning, strategies for teaching and assessing, and methods of integrating learning in the three subject areas. Practicum required – minimum 15 hours

IEC 520: Play-based Integration in an Early Childhood Classroom, 3 hours

Study and application of inclusive, developmentally appropriate techniques and strategies to support the development of the

whole child through creative play. Emphases include planning effective curriculum and environments, supporting the role of the integrated early childhood, professional developing effective classroom management and individual instruction, while exploring typical and atypical developmental sequences. Practicum required in Child Development Laboratory (CDL) and public-school early childhood classroom.

IEC 522: Administrative Practices for Integrated Early Childhood Educators, 4 hours

Study and application of family-school relationships, professionalism, administrative practices, and assessment-based curriculum modifications to ensure high-quality, integrative, developmentally appropriate, play-based learning environments. Practicum required.

IEC 655 Reading Instruction and Assessments for Integrated Early Childhood, 3 hours

This course introduces the theory that undergirds literacy development and emphasizes practical implementation of effective literacy strategies through a minimum 15-hour practicum experience in PreK-3 setting. Students will develop an understanding of the causes of reading difficulties and use this knowledge in planning and assessing literacy skills of an individual student. Practicum required – minimum 15 hours

Effective January 2023

Bachelor of Science in Accounting

Liberal Arts Requirements (36 hours)

Liberal Arts (4 hours)

Liberal Arts 1674

Studies in Biblical Traditions (8 hours)

Religion 367, REL 368 8

Studies in Communications (6 hours)

English 1013

Any English, Communications or Writing course..... 3

Studies in Mathematics and Science (6 hours)

Any Mathematics course..... 3

Any Biology Chemistry, Geology, or Physics course 3

Studies in Personal/Social Awareness (3 hours)

Any Psychology or Sociology course.....3

Studies to Enhance a World Perspective (9 hours)

Any History course or MILS 100..... 3

Any Art, Music, Theater, Fine Arts, or Film course 3

Any Political Science or Phil course..... 3

Senior Capstone Course (as listed in major hours below)

Business Foundation Core (12 hours), to be completed prior to major courses

ACCT 201 Prin. of Financial Accounting..... 3

ACCT 202 Prin. of Managerial Accounting.... 3

BAD 205 Intro. to Business Analytics..... 3

Or MATH 201 Statistical Concepts and Methods

ECON 210 Principles of Microeconomics..... 3

Accounting Requirements (51 hours)

ACCT 301 Intermediate Accounting I3

ACCT 302 Intermediate Accounting II.....3

ACCT 306 Strategic Cost Accounting.....3

ACCT 309 Accounting Information Systems....3

ACCT 402 Auditing I.....3

ACCT 406 Advanced Accounting.....3

ACCT 414 Federal Taxation I.....3

ACCT 415 Federal Taxation II.....3

BAD 201 Business and Professional Communication.....3

BAD 215 Business Information Tools.....3

BAD 301 Legal and Ethical Environment of Business3

BAD 302 Law of Business Organizations and Commercial Transactions3

ECON 220 Principles of Macroeconomics.....3

FIN 301 Introduction to Financial Management3

MGT 301SL Essentials of Management and Leadership.....3

MGT 408 Strategic Management (Capstone Course)3

MKT 300 Principles of Marketing3

Elective Hours (21 hours)

Program Totals

Liberal Arts Requirements.....36

Business Foundation Core.....12

Accounting Major Requirements51

General Electives21

Total for a BS in Accounting.....120

Bachelor of Science in Computer Science

Liberal Arts Requirements (36 hours)	
Liberal Arts (4 hours)	
Liberal Arts 167	4
Studies in Biblical Traditions (8 hours)	
Religion 367, REL 368	8
Studies in Communications (6 hours)	
English 101	3
Any English, Communications or Writing course.....	3
Studies in Mathematics and Science (6 hours)	
Any Mathematics course.....	3
Any Biology Chemistry, Geology, or Physics course	3
Studies in Personal/Social Awareness (3 hours)	
Any Psychology or Sociology course.....	3
Studies to Enhance a World Perspective (9 hours)	
Any History course or MILS 100.....	3
Any Art, Music, Theater, Fine Arts, or Film course	3
Any Political Science or Phil course.....	3
Senior Capstone Course (as listed in major hours below)	
Computer Science Requirements (33 hours)	
CSC 107 Computer Programming I	3
CSC 207 Computer Programming II	3
CSC 210 Introduction to Computer Science ...	3
CSC 303 Computer Organization and Architecture	3
CSC 307 Data Structures	3
CSC 310 Networking	3
CSC 312 Database Management	3
CSC 320 Systems Programming	3
CSC 330 Mobile Applications Programming ...	3
CSC 451 Senior Capstone	3
MATH 201 Statistical Concepts & Methods	3
Management Requirements (18 hours)	
BAD 101 Essentials of Christian Business Leadership & Management	3
ECON 210 Principles of Microeconomics	3
BAD 215 Business Information Tools	3
MKT 300 Principles of Marketing	3
BAD Legal & Ethical Environment in Business	3
MGT 302 Operations Management	3
Elective Hours (33 hours)	

Program Totals	
Liberal Arts Requirements.....	36
Computer Science Requirements.....	33
Management Requirements	18
General Electives	33
Total for a BS in Computer Science	120

Pre-Bachelor of Science in Marketing

Liberal Arts Requirements (36 hours)	
Liberal Arts (4 hours)	
Liberal Arts 167	4
Studies in Biblical Traditions (8 hours)	
Religion 367, REL 368	8
Studies in Communications (6 hours)	
English 101	3
Any English, Communications or Writing course.....	3
Studies in Mathematics and Science (6 hours)	
Any Mathematics course.....	3
Any Biology Chemistry, Geology, or Physics course	3
Studies in Personal/Social Awareness (3 hours)	
Any Psychology or Sociology course.....	3
Studies to Enhance a World Perspective (9 hours)	
Any History course or MILS 100.....	3
Any Art, Music, Theater, Fine Arts, or Film course	3
Any Political Science or Phil course.....	3
Senior Capstone Course (as listed in major hours below)	
Business Foundation Core (12 hours), to be completed prior to major courses	
ACCT 201 Prin. of Financial Accounting.....	3
ACCT 202 Prin. of Managerial Accounting....	3
BAD 205 Intro. to Business Analytics.....	3
Or MATH 201 Statistical Concepts and Methods	3
ECON 210 Principles of Microeconomics.....	3
Business Administration with Marketing Emphasis Requirements (39 hours)	
BAD 201 Business and Professional Communication.....	3
BAD 215 Business Information Tools.....	3
BAD 301 Legal and Ethical Environment of Business	3
ECON 220 Principles of Macroeconomics	3
FIN 301 Intro to Financial Management	3

MGT 301SL Essentials of Management and Leadership	3
MKT 300 Principles of Marketing	3
MGT 408 Strategic Management (Capstone Course)	3
MKT 350 Consumer Behavior	3
MKT 400 Marketing Management	3
MKT 407 Marketing Methods and Design	3
MKT 442 The Promotional Mix of Marketing ...	3
MGT 410 Entrepreneurship	3

Six (6) hours from the following: 6 hours

ART 323 Web and Interactive Design	
BAD 465 Internship	
COMM 201 Strategic Communication Techniques/Skills	
COMM 322 Mass Media	
COMM 323 Public Relations	
COMM 404 Communication Law and Ethics	
COMM 421 Advertising	
COMM 424 Persuasion	
MGT 367 Project Management	
SMGT 400 Sport Marketing	

Elective Hours (33 hours)

Program Totals

Liberal Arts Requirements.....	36
Business Foundation Core.....	12
Marketing Major Requirements	39
General Electives	33
Total for a BS in Marketing.....	120

COURSE DESCRIPTIONS

ACCOUNTING (ACCT) ACCT 201. Principles of Financial Accounting, 3 hours, Fall, Spring Introduction to basic concepts and terminology of financial accounting. Study of basic financial statements, recording of transactions, and control of assets for various forms of business organizations in retail and service industries, financing through the use of debt, and capital stock transactions.

ACCT 202. Principles of Managerial Accounting, 3 hours, Fall, Spring Introduction of the basic concepts and terminology of managerial accounting. Study of the basic cost behaviors, product costing, profit planning and budget preparation necessary for decision making. Prerequisite: ACCT 201.

ACCT 301. Intermediate Accounting I, 3 hours, Fall The study of accounting standards, conceptual framework, accounting process and the balance sheet accounts. Prerequisite: Business Foundation Core.

ACCT 302. Intermediate Accounting II, 3 hours, Spring The study of stockholder equity, earnings per share, income taxes, pensions, leases, cash flow and accounting concepts. Prerequisite: ACCT 301.

ACCT 306. Strategic Cost Accounting, 3 hours, Spring Study of the creation and measurement of value in business organizations. Provides the skills needed to help organizations improve their financial and operating performance, thereby increasing the value of the firms. Prerequisite: Business Foundation Core.

ACCT 309. Accounting Information Systems, 3 hours, Fall Introduction to the use of relational databases and the design of accounting information systems that use such databases with respect to the revenue cycle, expenditure cycle, and payroll cycle. Database design using the REA data model and implementing an REA model in relational databases are covered. Students study computer fraud and systems controls to detect fraud. Prerequisite: Business Foundation Core.

ACCT 402. Auditing I, 3 hours, Spring The auditing profession, types of reports, professional ethics, legal liability, and methods of conducting audits. Prerequisite: Business Foundation Core.

ACCT 406. Advanced Accounting, 3 hours, Fall Study of accounting procedures for consolidated firms, partnerships and a survey of accounting for not-for-profit organizations. Prerequisites: ACCT 301 and 302.

ACCT 414. Federal Taxation I, 3 hours, Fall Federal tax fundamentals with emphasis on Internal Revenue Service rules and regulations as applicable to individual taxpayer. Prerequisite: Business Foundation Core.

ACCT 415. Federal Taxation II, 3 hours, Spring Federal income tax fundamentals with emphasis on Internal Revenue Service rules and

regulations as applicable to corporations, partnerships, estates, and trusts. Prerequisite: ACCT 414. ACCT 465.

BAD 101. Essentials of Christian Business Leadership & Management, 3 hours An introduction to business leadership and management concepts. Provides a distinctly Christian foundation that allows for a unique perspective toward business and various disciplines within the field.

BAD 301. Legal and Ethical Environment of Business, 3 hours U.S. legal system coupled with consideration of ethical issues confronting the business professional. Topics covered include torts, contracts, agency, employment law, intellectual property rights, consumer protection, and other business concerns. Prerequisite: Business Foundation Core.

BAD 215. Business Information Tools, 3 hours, Students use advanced features and capabilities of Microsoft Word and Excel. At the completion of the course, students will be prepared to sit for a level one Microsoft Office Excel Certification Exam. Corequisite: Business Foundation Core.

CSC 107. Computer Programming I, 3 hours, An introduction to fundamental aspects of the field of computing, focusing on problem-solving and software design concepts and their realization as computer programs.

CSC 207. Computer Programming II, 3 hours, Further topics in computer programming focusing on object-oriented design, including objects, classes, class libraries and elementary data structures. Prerequisite: CSC 107.

CSC 210. Introduction to Computer Science, 3 hours
An introduction to several computer science topics. These include the history of computing, data storage and manipulation, computer architecture, operating systems, networking, programming, legal and ethical issues, and computer security. Prerequisite: CSC 107.

CSC 303. Computer Organization and Architecture, 3 hours
Principles of computer architecture, data representation, machine language execution

cycle, addressing modes, symbolic assembly language, interfacing, communication, fundamentals of an operating system. Prerequisite: CSC 207.

CSC 307. Data Structures, 3 hours
Abstract data types, recursion, basic data structures (queues, stacks, trees, and graphs) and transformations (sorting and searching). Prerequisite: CSC 207.

CSC 310. Networking, 3 hours
Introduction to data communications and networking. Basic network principles, hardware and software standards, network types and structures, security, and physical implementation will be introduced. Prerequisite: CSC 207.

CSC 312. Database Management, 3 hours
Introduction to databases and their design, function management and application. This includes data modeling approaches including entity-relationship and semantic object models. A variety of database access and management systems will be explored. Prerequisite: CSC 207.

CSC 320. Systems Programming, 3 hours,
Introduction to C and its use in system programming. Memory and process layout, system calls, buffering, file systems, virtual memory, threading, and inter-process communication. Prerequisite: CSC 207

CSC 330. Mobile Application Programming, 3 hours
A project-oriented course that examines the principles of mobile application design and development, introducing programming technologies, business strategy, and development related to creating mobile applications. Prerequisite: CSC 207.

CSC 451. Senior Capstone, 3 hours
A reflection upon the fundamental ideas of computer science and their connections. This is the capstone course in computer science. Prerequisite: At least 33 hours in the major.

ECON 210. Principles of Microeconomics, 3 hours
The study of markets, externalities, government intervention, taxation, and individual markets such as agriculture, health care and labor.

MATH 201. Statistical Concepts and Methods, 3 hours

Basic statistical concepts including populations, samples, analysis, and inference. One and two dimensional discrete and random variables.

Applications of normal, t, chi square, F, and binomial random variables. R statistical software. Same as PSY 203 and SOC 203.

Prerequisites: Strong algebra background evidenced by math ACT 21 (math SAT 530) or MATH 106, 120, or 125.

MGT 302. Operations Management, 3 hours,

The study and application of widely used quantitative models used in the decision-making process such as linear programming, decision analysis, linear regression, plant layout, facility location and quality control. **Prerequisite:**

Business Foundation Core.

MKT 300. Principles of Marketing, 3 hours

A study of the basic marketing concepts and functions in market-oriented organizations. This course will focus on issues such as understanding buyers and markets, selecting a target market, and decisions regarding the four P's of marketing: product, price, place, and promotion. **Prerequisites: Business Foundation Core, junior/senior standing, or instructor's cons**
