LONG BEACH CITY COLLEGE

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CATALOG 2021 - 2022 ADDENDUM

XI– SUMMER 2021

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NEW CERTIFICATES OF ACCOMPLISHMENT

Computer Technology
Certificate of Accomplishment, Cryptocurrency Fundamentals (Plan Code: 4133)
Students will learn the concepts and technologies behind cryptocurrency and blockchain and the software applications and platforms commonly used to research, analyze, invest, and manage Cryptocurrency assets.

Program Student Learning Outcomes:

- Explain cryptocurrencies and how they function on a technical and financial level.

REQUIRED COURSES		UNITS
COSA 240	Introduction to Cryptocurrency	1
COSA 241	Cryptocurrency Financial Software	1
TOTAL UNITS		**2**

NEW NONCREDIT CERTIFICATE OF COMPLETION

Computer Technology
Certificate of Completion, Cryptocurrency Fundamentals (Plan Code: 4134)
Students will learn the concepts and technologies behind cryptocurrency and blockchain and the software applications and platforms commonly used to research, analyze, invest, and manage Cryptocurrency assets.

Program Student Learning Outcomes:

- Explain cryptocurrencies and how they function on a technical and financial level.

REQUIRED COURSES		HOURS
COSA 640	Introduction to Cryptocurrency	18
COSA 641	Cryptocurrency Financial Software	18
TOTAL HOURS		**36**

Electrical Technology
Certificate of Completion, IPC-620 Wire Harness Assembly and Inspection (Plan Code: 4956)
Students enrolling in ELECT 620A and ELECT 620B will be learning cable harness assembly, testing and inspection skills completed per IPC/WHMA-A-620 industry standards. Students will learn the proper use of the requisite tools and assembly methods. Completion of these two classes provides students with an employment pathway in the Aerospace and Electrical Cable Harness Assembly positions. There are no prerequisite skills required to enter ELECT 620A.

Program Student Learning Outcomes:
- Demonstrate the ability to assemble, test, and inspect cable harnesses.

REQUIRED COURSES		HOURS
ELECT 620A	Electric Cable Termination IPC-620C	72
ELECT 620B	Electric Cable Inspection IPC-620C	36

TOTAL HOURS   **108**

Welding Technology
Certificate of Completion, Exploring Welding and Metal Fabrication (Plan Code: 4993)
The Certificate of Completion in Exploring Welding and Metal Fabrication is designed for those interested in exploring the welding and metal fabrication fields. Course work includes an entry-level study with an emphasis on the safe application of fundamental metal fabrication and welding techniques and practices. This program prepares the student for an entry-level position in the metal fabrication and/or welding industry.

Program Student Learning Outcomes:

- Demonstrate the basic skills to safely model, fabricate and weld a metal part.

REQUIRED COURSES		HOURS
WELD 601	Exploring Welding	18
MTFAB 601	Exploring Metal Fabrication	18

TOTAL HOURS   **36**

NEW CREDIT COURSES

COSA 240 1 units
Introduction to Cryptocurrency
18 hours lecture
Grading: letter grade or pass/no pass.
This course introduces the concepts and technologies behind cryptocurrency and blockchain. Topics include the basis of cryptocurrency, the relation to blockchain technology, the acquisition, management, and technology used in securing cryptocurrency in open and distributed financial systems. This course is for students who want to understand the role cryptocurrency plays in society.

COSA 241 1 units
Cryptocurrency Financial Software
18 hours lecture

Grading: letter grade or pass/no pass.

This course covers the software applications and platforms currently used in the field of Cryptocurrency. Topics will include the types of software commonly used to research, analyze, invest, and manage Cryptocurrency assets. This course is designed for anyone considering entering into Cryptocurrency financial services and investing.

ENGL 99   1.0 - 3.0 units
Directed (Independent) Study
54 hours lecture

Grading: pass/no pass.

This course provides the student an opportunity to explore research problems in English not covered in the regular departmental offerings. Regular conferences with the instructor are coordinated with assigned work and/or research projects.

NEW NONCREDIT COURSES

COSA 640   0 units
Introduction to Cryptocurrency
18 hours lecture

Grading: non graded.

This course introduces the concepts and technologies behind cryptocurrency and blockchain. Topics include the basis of cryptocurrency, the relation to blockchain technology, the acquisition, management, and technology used in securing cryptocurrency in open and distributed financial systems. This course is for students who want to understand the role cryptocurrency plays in society.

COSA 641   0 units
Cryptocurrency Financial Software
18 hours lecture

Grading: non graded.

This course covers the software applications and platforms currently used in the field of Cryptocurrency. Topics will include the types of software commonly used to research, analyze, invest, and manage Cryptocurrency assets. This course is designed for anyone considering entering into Cryptocurrency financial services and investing.

ELECT 620A   0 units
Electric Cable Termination IPC-620C
18 hours lecture, 54 hours laboratory

Grading: non graded.

This course is the first of two courses where students learn proper cable termination methods and practices while working under the industry standard IPC/WHMA-A-620. The IPC/WHMA-A-620 standard provides the electronics industry with the most current criteria for the

performance and acceptance of cable and wire harness assemblies. Students are prepared for entry level jobs in the aerospace and industrial harness and wiring industries.

ELECT 620B   0 units
Electric Cable Inspection IPC-620C
18 hours lecture, 18 hours laboratory
Grading: non graded.
This course is the second of two courses where students learn cable harness and wire inspection methods per IPC/WHMA-A-620. Students will use their cable assemblies from ELECT 620A and are taught proper cable inspection methods and practices. The IPC/WHMA-A-620 provides the electronics industry with the most current criteria for the performance and acceptance of cable and wire harness assemblies. Students are prepared for entry level jobs in the aerospace and industrial harness and wiring industries.

MTFAB 601   0 units
Exploring Metal Fabrication
4 hours lecture, 13 hours laboratory
Grading: non graded.
This course is an introduction to metal fabrication. This course will allow the student to explore the basic safety requirements and metal fabrication processes found in the advance manufacturing and welding industries.

MODIFIED COURSES

WELD 601   0 units
Exploring Welding
4 hours lecture, 13 hours laboratory
Grading: non graded.
This course is an introduction to welding. This course will allow the student to explore the basic safety requirements and welding processes found in industry.