

July 13, 2020

## CERTIFICATION

TO WHOM THIS MAY CONCERN:

This is to certify that Ms. Joy S. Espinosa (16-1-00291) a fourth year Bachelor of Science in Computer Science (BSCS) student of Visayas State University, Visca, Baybay City, Leyte obtained the following ratings during the term indicated below:

Course No.	Descriptive Title	Final	Completion	Units
<b>First Semester, SY 2016 – 2017</b>				
CSci 21	INFORMATION and COMMUNICATION TECHNOLOGY: CONCEPTS & SKILLS	1.25		3.0
Chem 11	GENERAL CHEMISTRY I	1.50		4.0
Econ 11	GENERAL ECONOMICS WITH LAND REFORM & TAXATION	1.75		3.0
Engl 11	STUDY AND THINKING	1.50		3.0
Math 11	SKILLS COLLEGE ALGEBRA	1.75		3.0
NSTP 11r	RESERVE OFFICERS TRAINING CORPS (ROTC)	2.00		3.0
PhEd 11	PHYSICAL FITNESS AND GYMNASTICS	1.75		2.0
Psyc 11	GENERAL PSYCHOLOGY	1.50		3.0
<b>Second Semester, SY 2016 – 2017</b>				
Biol 11	GENERAL BIOLOGY	1.50		4.0
CSci 22	FOUNDATION OF COMPUTER	2.00		3.0
Engl 12	SCIENCE WRITING IN THE DISCIPLINE	1.25		3.0
Math 12	PLANE TRIGONOMETRY	1.75		3.0
NSTP 12r	RESERVE OFFICERS TRAINING CROPS (ROTC)	1.50		3.0
PhEd 12	RECREATIONAL GAMES, RHYTHMIC ACTIVITIES & DANCE	1.50		3.0
Phil 11	INTRODUCTION TO PHILOSOPHY AND ETHICS	1.25		3.0
Soci 11	SOCIETY AND CULTURE (with Family Planning)	1.50		3.0
<b>First Semester, SY 2017 – 2018</b>				
CS 101	DISCRETE MATH FOR COMPUTER SCIENCE	2.00		3.0
CS 103	COMPUTER PROGRAMMING	3.00		3.0
Huma 11	INTRODUCTION TO HUMANITIES	1.50		3.0
Math 125	MATHEMATICAL ANALYSIS I	2.00		5.0
PhEd 13	TEAM SPORTS	1.25		2.0

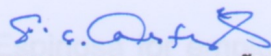


Course No.	Descriptive Title	Final Completion	Units
Phys 11a	GENERAL PHYSICS	2.00	4.0
Spch 11	SPEECH COMMUNICATION	1.75	3.0
<b>Second Semester, SY 2017 – 2018</b>			
CS 112	DATA STRUCTURES	2.50	3.0
CS 122	LOGIC CIRCUIT DESIGN	3.00	3.0
Math 126	MATHEMATICAL ANALYSIS II	2.50	5.0
PhEd 14	INDIVIDUAL-DUAL SPORTS	1.50	2.0
Phys 21	COLLEGE PHYSICS	1.75	3.0
ScSc 15	PHILIPPINE HISTORY	1.25	3.0
Stat 21	ELEMENTARY STATISTICS	2.25	3.0
<b>First Semester, SY 2018 – 2019</b>			
CS 113	FILE PROCESSING & DATABASE SYSTEMS	2.25	3.0
CS 123	INTRO TO COMPUTER ORGANIZATION & ASSEMBLY PROGRAMMING	3.00	3.0
CS 133	OBJECT-ORIENTED PROGRAMMING	2.25	3.0
CS 135	VISUAL PROGRAMMING	1.50	3.0
Engl 21	INTRODUCTION TO LITERATURE	1.50	3.0
Fili 11	KOMUNIKASYON SA AKADEMIKONG FILIPINO	1.50	3.0
Math 131	MATRIX ALGEBRA	1.75	3.0
<b>Second Semester, SY 2018 – 2019</b>			
CS 124	COMPUTER ARCHITECTURE	2.25	3.0
CS 136	STRUCTURE OF PROGRAMMING LANGUAGES	1.75	3.0
CS 138	SOFTWARE ENGINEERING	1.75	3.0
CS 139	OPERATING SYSTEMS	2.25	3.0
Fili 12	PAGBASA AT PAGSULAT TUNGO SA PANANALIKSIK	2.00	3.0
ScSc 24	POLITICS AND GOVERNANCE (with Philippine Constitution)	1.25	3.0
Stat 136	EXPERIMENTAL DESIGNS	1.50	3.0
<b>First Semester, SY 2019 – 2020</b>			
CS 142	STATISTICAL PACKAGES	2.00	3.0
CS 143	WEB PROGRAMMING	1.75	3.0
CS 145	PRINCIPLES OF COMPILER DESIGN	2.00	3.0
CS 147	AUTOMATA AND LANGUAGES THEORY	2.25	3.0
CS 198	RESEARCH PLANNING & MANUSCRIPT PREPARATION	1.25	3.0



Course No.	Descriptive Title	Final	Completion	Units
CS 200.2	UNDERGRADUATE THESIS	S		In Progress
ScSc 16	LIFE AND WORKS OF RIZAL	1.50		3.0
<b>Second Semester, SY 2019 – 2020</b>				
CS 144	DATA COMMUNICATION & NETWORKING	1.50		3.0
CS 148	DESIGNS & ANALYSIS OF ALGORITHMS	2.25		3.0
CS 192	COMPUTER ETHICS & TECHNICAL MANUAL PREPARATION	1.50		3.0
CS 199	UNDERGRADUATE SEMINAR	1.50		1.0
CS 200.4	UNDERGRADUATE THESIS	1.00		6.0

This certification is issued upon the request of Ms. Espinosa for employment purposes.

  
**MARWEN A. CASTAÑEDA**  
 University Registrar

OR No. 0592148  
 Dated: 2020-07-13