



## OFFICIAL TRANSCRIPT OF RECORDS

### PERSONAL DATA

**Student Name** : Layan, Jessie James Dungog  
**Student Number** : 12-1-01173  
**Date of Birth** : October 22, 1995  
**Place of Birth** : Barili, Cebu  
**Sex** : Male  
**Religion** : Baptist  
**Citizenship** : Filipino  
**Parent/Spouse** : Mr. & Mrs. Marcelo E. Layan  
**Address** : Poblacion, Danao, Bohol  
**Tel. No./Cell. No.** : 09054333207/jessejameslayan@gmail.com  
**Guardian** :  
**Address/Cell. No.** :



### PRELIMINARY EDUCATION

**Elementary** : Danao Central Elementary School **Year** : 2008  
 Danao, Bohol  
**High School** : Tagbilaran City Science High School **Year** : 2012  
 Mansasa Dist. Tagbilaran City, Bohol  
**Entrance** : Form 138-A  
**Credential** : Tagbilaran City Science High School  
 Mansasa Dist. Tagbilaran City, Bohol

GRADING SYSTEM:	RATING	EQUIVALENT	INDICATION
	1.00	97-100	Excellent
	1.25	94-96	Highly Outstanding
	1.50	91-93	Outstanding
	1.75	88-90	Very Good
	2.00	85-87	Good
	2.25	82-84	Very Satisfactory
	2.50	79-81	Satisfactory
	2.75	76-78	Fair
	3.00	75	Passing
	5.00	BELOW 75	Failure
	S - Satisfactory	Inc - Incomplete	
	U - Unsatisfactory	Drp - Dropped	
	Au - Audit (No credit)		

*One collegiate unit of credit is one hour lecture or recitation each week or a total of 18 hours in a semester. Three hours of laboratory work, drafting, or a shop work each week or a total of 54 hours a semester are regarded as equivalent also to one unit of credit.*

*The semestral average of a student is computed by multiplying the number of units assigned to a course by the grade earned and the product divided by the total units earned for the semester.*

**ELIEZER L. VELASCO**  
 University Registrar





## OFFICIAL TRANSCRIPT OF RECORDS

VISAYAS STATE UNIVERSITY (VSU), Visca, Baybay City, Leyte

**12-1-01173 : Layan, Jessie James Dungog**

Bachelor of Science in Agricultural Engineering (BSAE)

Course No.	Descriptive Title	Grade	Credit
First Semester, SY 2012-2013			
Chem 11	GENERAL CHEMISTRY I	1.00	4.0
Econ 11	GENERAL ECONOMICS WITH LAND REFORM & TAXATION	1.25	3.0
Engl 11	STUDY and THINKING SKILLS	1.50	3.0
Math 13	COLLEGE ALGEBRA AND TRIGONOMETRY	1.50	5.0
Psyc 11	GENERAL PSYCHOLOGY	1.25	3.0
PhyEd 11	PHYSICAL FITNESS AND GYMNASTICS	1.75	2.0
NSTP 11r	RESERVE OFFICERS TRAINING CORPS (ROTC)	1.00	3.0
Second Semester, SY 2012-2013			
Biol 11	GENERAL BIOLOGY	1.25	4.0
Chem 21	GENERAL CHEMISTRY II	1.50	3.0
Engl 12	WRITING IN THE DISCIPLINE	1.50	3.0
Math 112	ANALYTIC GEOMETRY & CALCULUS I	2.25	5.0
ScSc 15	PHILIPPINE HISTORY, GOVERNMENT & CONSTITUTION	1.50	3.0
Soci 11	GENERAL SOCIOLOGY	1.50	3.0
PhyEd 12	RECREATIONAL GAMES, RHYTHMIC ACTIVITIES & DANCE	1.75	2.0
NSTP 12r	RESERVE OFFICERS TRAINING CORPS (ROTC)	1.50	3.0
First Semester, SY 2013-2014			
Agro 21	FUNDAMENTALS OF CROP PRODUCTION	1.50	3.0
AnSc 22	PRINCIPLES OF ANIMAL PRODUCTION	1.50	3.0
Huma 11	INTRODUCTION TO HUMANITIES	1.50	3.0
Math 113	ANALYTICAL GEOMETRY AND CALCULUS II	2.50	5.0
Phys 11	GENERAL PHYSICS	1.50	4.0
Spch 11	SPEECH COMMUNICATION	1.00	3.0
PhEd 13	TEAM SPORTS	1.75	2.0
Second Semester, SY 2013-2014			
CSci 21	INFORMATION&COMM TECH. CONCEPTS&SKILLS	1.00	3.0
ESci 122	ENGINEERING GRAPHICS I	1.75	3.0
Math 114	CALCULUS III & DIFF. EQUATIONS	INC 3.00	5.0
Phil 11	INTRODUCTION TO PHILOSOPHY AND ETHICS	2.50	3.0
Phys 21	COLLEGE PHYSICS	2.00	3.0
Soil 22o	FUNDAMENTALS OF SOIL SCIENCE	1.75	3.0
PhyEd 14	INDIVIDUAL-DUAL SPORTS	1.50	2.0
First Semester, SY 2014-2015			
AEng 135	FUNDAMENTALS OF SURVEYING	2.00	3.0
CS 134	PRINCIPLES OF COMPUTER PROGRAMMING	2.25	3.0
ESci 131	ENGINEERING GRAPHICS 2 (AUTOCAD)	2.25	2.0
ESci 133	ENGINEERING MECHANICS	3.00	5.0
ESci 137	ENGINEERING MATERIALS	2.00	3.0
ScSc 16	LIFE AND WORKS OF RIZAL	1.25	3.0

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**ELIEZER L. VELASCO**  
University Registrar





# VISAYAS

STATE UNIVERSITY

Main Campus

(Formerly Visayas State College of Agriculture  
and Leyte State University)

## OFFICE OF THE UNIVERSITY REGISTRAR

Visca, Baybay City, Leyte 6521-A, Philippines

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VISAYAS STATE UNIVERSITY (VSU), Visca, Baybay City, Leyte

12-1-01173 : Layan, Jessie James Dungog

Bachelor of Science in Agricultural Engineering (BSAE)

Course No.	Descriptive Title	Grade	Credit
Second Semester, SY 2014-2015 (Cont'd)			
AEng 153	AGRICULTURAL MACHINERY DESIGN	2.75	3.0
ESci 134	FLUID MECHANICS	INC 2.50	4.0
ESci 136	THERMODYNAMICS AND HEAT TRANSFER	INC 3.00	5.0
ESci 142	STRENGTH OF MATERIALS	2.25	3.0
ESci 156	OPERATIONS RESEARCH	2.50	3.0
ScSc 24	POLITICS AND GOVERNANCE (with Philippine Constitution)	1.25	3.0
Stat 21	ELEMENTARY STATISTICS	1.75	3.0
First Semester, SY 2015-2016			
AEng 151	STRUCTURAL DESIGN	2.50	3.0
AEng 155	HYDROMETEOROLOGY	1.50	3.0
AEng 157	WATER MANAGEMENT ENGINEERING	1.50	3.0
AEng 159	AGRICULTURAL POWER	INC 2.50	3.0
AEng 161	AGRICULTURAL PROCESSING AND HANDLING	1.75	3.0
AEng 162	AGRICULTURAL MACHINERY & EQUIPMENT	1.25	3.0
AEng 198	RESEARCH PLANN. & MANUSCRIPT PREPARATION	2.00	3.0
Second Semester, SY 2015-2016			
AEng 152	AGRICULTURAL STRUCTURES	2.25	3.0
AEng 156	ENVIRONMENTAL CONTROL ENGINEERING	1.25	3.0
AEng 158	SOIL & WATER CONSERVATION ENG'G.	1.00	3.0
AEng 164	FOREST PRODUCTS ENGINEERING	1.00	3.0
AEng 200	UNDERGRADUATE THESIS	S	In Progress
Engl 21	INTRODUCTION TO LITERATURE	1.25	3.0
ESci 154	ELECTRONICS & INSTRUMENTATION	2.25	3.0
Summer 2016			
AEng 200	UNDERGRADUATE THESIS	S	In Progress
First Semester, SY 2016-2017			
AEng 132	SHOP PRACTICE	INC 2.25	3.0
AEng 171	RURAL ELECTRIFICATION	1.75	3.0
AEng 173	REFRIGERATION AND AIR CONDITIONING	2.00	3.0
AEng 175	AQUACULTURE ENGINEERING	1.50	3.0
AEng 200	UNDERGRADUATE THESIS	S	In Progress
Fili 11	KOMUNIKASYON SA AKADEMIKONG FILIPINO	1.25	3.0
Mgmt 20	INTRODUCTION TO AGRI-BUSINESS	1.25	3.0
Second Semester, SY 2016-2017			
AEng 184	ENG'G. SPECIFICATIONS, CONTRACTS & ETHICS	2.00	1.0
AEng 199	UNDERGRADUATE SEMINAR	1.50	1.0
AEng 200	UNDERGRADUATE THESIS	1.50	6.0
ESci 182	ENGINEERING ECONOMY	2.50	3.0
Fili 12	PAGBASA AT PAGSULAT TUNGO SA PANANALIKSIK	2.00	3.0

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12-1-01173 : Layan, Jessie James Dungog

Bachelor of Science in Agricultural Engineering (BSAE)

Course No.	Descriptive Title	Grade	Credit
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THESIS :

"MODELLING THE BIOGAS PRODUCTION FROM GOAT MANURE,"

Graduated on June 14, 2017 with the degree of Bachelor of Science in  
Agricultural Engineering (BSAE) as per VSU Board of Regents Resolution No. 17,  
s.2017 dated April 27, 2017.

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Doc. Stamp Paid P15.00

REMARKS : FOR EMPLOYMENT

DATE ISSUED : June 14, 2017

ELJEZER L. VELASCO  
University Registrar

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Without Seal  
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