PREPARED: 04/14/22 - 19:01 BY OPER: DARSAD ID: 001394199

Vanallen, Dylan Jay ADVSR: Caticha,A ST: SR

PROGRAM CODE: PHY BULLETIN YR: 2019-20

Physics Major

Bachelor of Science

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Vanallen, Dylan Jay

103 Guilder Ln Apt 1

Guilderland NY 12084

****STUDENT'S ACADEMIC PROGRAM****

***** DECLARED MAJOR *****

DARS MAJOR/MINOR CODES

MAJOR: PHY

ADDL MAJORS: CSICMAJ

MINOR: MATMIN

ADDL MINORS:

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SUMMARY OF TRANSFER COURSES

**Note: A maximum of 90 credits may be from other schools

TOTAL CREDITS TRANSFERRED:

EARNED: 70 CREDITS

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Application for Graduation

THE DEGREE APPLICATION HAS BEEN RECEIVED

CHECK YOUR DEGREE AUDIT TO MAKE SURE THAT ALL

REQUIREMENTS WILL BE COMPLETED THIS TERM

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**** BACHELOR OF SCIENCE REQUIREMENTS ****

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REQUIRED: A minimum of 120 graduation credits and a

cumulative GPA 2.00 in coursework graded A-E at Albany.

EARNED: 146 CREDITS

IN PROGRESS 18 CREDITS

\+ CURRENT UALBANY CUMULATIVE GPA:

3.50 GPA

\+ LIBERAL ARTS REQUIREMENT IS COMPLETED

(143 CRS EARNED)

IN-PROG 18 CREDITS

UNIVERSITY RESIDENCE REQUIREMENT

\+ UNIVERSITY RESIDENCE IS COMPLETED

(43 CRS EARNED)

IN-PROG 18 CREDITS

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YOU HAVE MET ALL THE REQUIREMENTS FOR HONORS

GRADUATION HONORS

A degree with honors requires a minimum of 56

credits completed at UAlbany with a minimum of

40 A-E credits and a final UAlbany cumulative

GPA of at least 3.25.

\+ *YOU HAVE MET THE 56 CREDIT REQUIREMENT AT ALBANY*

(76 CRS EARNED)

IN-PROG 18 CREDITS

\+ *YOU HAVE MET THE 40 CREDITS GRADED A-E AT ALBANY*

(73 CRS EARNED)

\+ NOTE: This grade point average is for "honors" only

CURRENT UALBANY CUMULATIVE GPA:

3.50 GPA

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The General Education Program at the University at Albany is a distinct educational program that is broad by design, unique to campus, and coherent in structure. The following requirements comprise the University at Albany General Education Program and are in effect for students matriculating Fall 2014 and beyond.

Proof of completion of A.A. or A.S. degree from other SUNY institutions will waive all SUNY-wide General Education requirements at UAlbany. The "Challenges for the 21st Century" requirement will not be waived by an A.A. or A.S. degree.

30 MIN CRS OK-INDIVIDUAL REQUIREMENTS MUST BE FULFILLED

EARNED: 31 CREDITS

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* MATHEMATICS AND STATISTICS *

\+ COMPLETED

SP18 AMAT113 4.0 TA Calculus II

RARITAN : MATH152

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* WRITING AND CRITICAL INQUIRY *

\+ COMPLETED

FA16 AENGE10 3.0 TC CONVERTED TO: AENG010

IN LIEU OF: WCI

Exposition and Argument

RUTGERS : 01355103

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* ARTS *

** Note: Courses cannot double count with Humanities **

\+ COMPLETED

FA19 AARH170 3.0 C Survey of Art Western World I

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* HUMANITIES *

** Note: Courses cannot double count with Arts **

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  +     COMPLETED

      FA17 APHI210       3.0 TC     Intro to Formal Logic

                                    RARITAN : PHIL103

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       * NATURAL SCIENCES *


  +     COMPLETED

      SP15 APHYE10       4.0 TT  >R CONVERTED TO: APHY010

                                    IN LIEU OF:   NATSCIENCE

                                    AP-Physics 1

                                    AP      : APPH1

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       * SOCIAL SCIENCES *


  +     COMPLETED

      FA18 APSY101       3.0 TA     Introduciton to Psychology

                                    RARITAN : PSYC103

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       * U.S. HISTORY *


  +     COMPLETED

      FA17 AHIS101       0.0 NTD    US History 1877 to Present

                                    RARITAN : HIST202

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       * INTERNATIONAL PERSPECTIVES *


  +     COMPLETED

      FA19 AARH170       3.0 C      Survey of Art Western World I

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       * FOREIGN LANGUAGE *


  +     COMPLETED

      SU20 ASPN100       3.0 TA     Introduction to Spanish I

                                    RARITAN : SPAN103

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             **** ADDITIONAL REQUIREMENT ****

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       * CHALLENGES FOR THE 21ST CENTURY *
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  +     COMPLETED
       FA20 ICSI300Z      3.0 B      Societal Ethical Implications
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<<<<69 CRS COMPLETED - CHECK RESIDENCE REQUIREMENT>>>>
        *** ALL REQUIREMENTS MUST BE COMPLETED ***
       Physics Major
       69 Credits Required
    EARNED:    54 CREDITS                              3.90 GPA
IN PROGRESS    15 CREDITS

  +     Introductory Physics Sequence -
        select 3 courses:
        NOTE: Students must complete APHY 240 with a C or
        better to register for APHY 320, 340, and 440.
       FA19 APHY142       3.0 A      T. SCHNITZER/CSI
                                     Physics I: Advanced Mechanics
       SP20 APHY152       3.0 A      T.SCHNITZER/CSIC
                                     Physics II: Adv Electromagnet
       FA20 APHY240       3.0 A-     Phys III: Structure of Matter

  +     Lab Sequence - select 3 courses:
       SP21 APHY245       1.0 A      Physics Lab III
       FA16 APHY106       1.0 TB     M.MORA/CSI
                                     Classical Phys Lab
                                     RUTGERS : 01750275
       SP17 APHY109       1.0 TB     Classical Physics Lab
                                     RUTGERS : 01750276

  +     Select AMAT 314 and 315 or APHY 235:
        NOTE: Students must complete APHY 235 with a C or
        better to register for APHY 320, 335Z, 340, 350, 440,
        and 460.
       FA20 APHY235       3.0 A      Mathematics in Physics

  +     Physics Courses - select all courses:
        NOTE: Students must complete APHY 250 with a C or
        to register for APHY 335Z, 350, 450, and 460.
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SP21 APHY250 3.0 A Physics IV: Waves

FA21 APHY340 3.0 A Electromagnetism I: Statics

FA21 APHY440 3.0 A Quantum Physics I

FA21 APHY320 3.0 A- Classical Mechanics

SP22 APHY335Z 3.0 IP > Advanced Physics Lab

SP22 APHY350 3.0 IP > Electromagnetism II: Electrod

SP22 APHY450 3.0 IP > Quantum Physics II

SP22 APHY460 3.0 IP > Thrmodynmcs&Statist Physics

\+ Chemistry - select 8 credits:

NOTE: Chemistry I Lec/Lab = ACHM120 & 124 or ACHM115

Chemistry II Lec/Lab = ACHM121 & 125 or ACHM116

SP20 ACHM120 3.0 A General Chemistry I

SP21 ACHM124 1.0 A General Chemistry Laboratory

SP21 ACHM125 1.0 A General Chemistry Laborator I

FA20 ACHM121 3.0 A- IN LIEU OF: ACHM131

General Chemistry II

\+ Mathematics - select 3 courses:

SP16 AMAT112 4.0 TT AP-Mathematics: Calculus AB

AP : APMAB

SP18 AMAT113 4.0 TA Calculus II

RARITAN : MATH152

FA18 AMAT214 4.0 TB Calculus III

RARITAN : MATH251

\+ Mathematics Elective - select one course:

FA19 AMAT220 3.0 A- Linear Algebra

\+ 400 Level Physics Elective - select one course:

SP22 APHY477Y 3.0 IP > Computational Methods

\+ Select one course:

FA17 ICSIE10 4.0 TA IN LIEU OF: ICSI201

T. SCHNITZER/CSI

Foundations of Comp Science

RARITAN : CISY105

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ADVANCE COURSE CHECK IS COMPLETE

MAJOR RESIDENCE IS COMPLETE

\+ Major Residence Check

24 CREDITS

\+ 300-599 Advance Course Check

(12 CRS EARNED)

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<<<<73 CRS COMPLETE - CHECK RESIDENCE REQUIREMENT>>>>

*** ALL REQUIREMENTS MUST BE COMPLETED ***

Computer Science Major - Combined (Bachelor of Science)

73 Credits Required

EARNED: 73 CREDITS 3.42 GPA

IN PROGRESS 3 CREDITS

\+ NOTE: A "C" or "S" or better grade in courses

ICSI201, ICSI210, ICSI213 (310) and ICSI333

Core Courses - select all courses:

FA17	ICSIE10	4.0	TA	IN LIEU OF: ICSI201 T. SCHNITZER/CSI Foundations of Comp Science RARITAN : CISY105
SP18	ICSI213	4.0	TA	Data Structures RARITAN : CISY254
FA19	ICSI333	4.0	B-	Pgm HardwareSoftware Interfac
SP20	ICSI210	4.0	B+	Discrete Structures
SP20	ICSI404	3.0	S#	Assembly Computer Organizatio
SP21	ICSI403	3.0	B+	Design and Analysis Algorithm
FA21	ICSI409	3.0	B+	Automata & Formal Languages

\+ NOTE: A "C" or "S" or better grade required

Programming Language Principles - select one course:

SP21	ICSI311	4.0	C+	Principles Programming Lang

+ Intensive System Software Development -

Select one course:

SP22 ICSI499 3.0 IP > Capstone Project Computer Sci

+ Social Aspects of Computing - select one course:

FA20 ICSI300Z 3.0 B Societal Ethical Implications

+ Computer Science Electives - select 9 credits:

FA20 ICSI451 3.0 A Bayesian Data Analy/Signal Pr

FA21 ICSI401 3.0 A Numerical Methods

FA21 ICSI435 3.0 B- Artificial Intelligence

+ Mathematics - select 17 credits:

FA19 AMAT220 3.0 A- Linear Algebra

SP20 AMAT367 3.0 A- Discrete Probability

SP16 AMAT112 4.0 TT AP-Mathematics: Calculus AB

AP : APMAB

SP18 AMAT113 4.0 TA Calculus II

RARITAN : MATH152

FA18 AMAT214 4.0 TB Calculus III

RARITAN : MATH251

+ Physics - select 4 courses:

FA19 APHY142 3.0 A IN LIEU OF: CSIC9

T. SCHNITZER/CSI

Physics I: Advanced Mechanics

FA19 APHY145 1.0 A Physics Lab I

SP20 APHY152 3.0 A IN LIEU OF: CSIC9

T.SCHNITZER/CSIC

Physics II: Adv Electromagnet

FA16 APHY106 1.0 TB IN LIEU OF: CSIC9

M.MORA/CSI

Classical Phys Lab

RUTGERS : 01750275

+ Option 4 - select 2 courses

SP20 ACHM120 3.0 A General Chemistry I

FA20 ACHM121 3.0 A- General Chemistry II

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ADVANCE COURSE CHECK IS COMPLETE

MAJOR RESIDENCE IS COMPLETE

\+ Major Residence Check

24 CREDITS

\+ 300-599 Advance Course Check

(12 CRS EARNED)

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<<<<18 CRS COMPLETE>>>>

Mathematics Minor

18 Credits Required

EARNED: 18 CREDITS 3.70 GPA

\+ Select 12 credits:

FA19	AMAT220	3.0	A-	Linear Algebra
SP20	AMAT367	3.0	A-	Discrete Probability
FA18	AMAT214	4.0	TB	Calculus III
				RARITAN : MATH251
SP19	AMATE10	2.0	TA >S	IN LIEU OF: AMAT311
				S.PLOTNICK / MAT
				Differential Equations
				RARITAN : MATH254

\+ Select 6 credits:

SP16	AMAT112	4.0	TT	AP-Mathematics: Calculus AB
				AP : APMAB
SP18	AMAT113	2.0	TA >S	Calculus II
				RARITAN : MATH152

\+ MINOR RESIDENCE CHECK IS COMPLETE

(6 CRS EARNED)

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COURSES THAT ARE EXCLUDED FROM

GRADUATION REQUIREMENTS:

COURSES WITH GRADES OF XU,XD,E,Z,OR W:

FA20 APHY353 0.0 W Microprocessor Applications

Elective Courses

SP19 AANT108 3.0 TA Intro to Cultural Anthropolog
RARITAN : ANTH101

FA16 ACASE10 3.0 TB+ >R CONVERTED TO: ACAS010
Interdisc Honors Seminar
RUTGERS : 01090292

SP17 ACASE10 3.0 TC >R CONVERTED TO: ACAS010
Honors College Forum
RUTGERS : 01090125

SP16 AMATE10 2.0 TT CONVERTED TO: AMAT010
AP-Mathematics: Calculus AB
AP : APMAB

SP19 AMATE10 2.0 TA >S IN LIEU OF: AMAT311
S.PLOTNICK / MAT
Differential Equations
RARITAN : MATH254

SP16 APHYE10 4.0 TT >R CONVERTED TO: APHY010
AP-Physics 2
AP : APPH2

FA16 APHY105 3.0 TC Honors Physics I
RUTGERS : 01750271

SP19 IINFE10 3.0 TA CONVERTED TO: CINFE10
Web Page Development I
RARITAN : CISY225

FA18 ICSIE10 3.0 TB >R CONVERTED TO: ICSI010
Python Programming
RARITAN : CISY200

FA18 ICSIE10 4.0 TA >R CONVERTED TO: ICSI010
Comp Arch and Assemb Language
RARITAN : CISY256

==== UALBANY ACADEMIC SUMMARY ====

EARNED: 76 CREDITS 3.50 GPA

IN PROGRESS 18 CREDITS

---- ACADEMIC COURSE WORK - FALL ----

14 CREDITS 3.14 GPA

FA19	AARH170	3.0 C	Survey of Art Western World I
FA19	AMAT220	3.0 A-	Linear Algebra
FA19	APHY142	3.0 A	T. SCHNITZER/CSI Physics I: Advanced Mechanics
FA19	APHY145	1.0 A	Physics Lab I
FA19	ICSI333	4.0 B-	Pgm HardwareSoftware Interfac

---- ACADEMIC COURSE WORK - SPRING ----

16 CREDITS 3.72 GPA

SP20	ACHM120	3.0 A	General Chemistry I
SP20	AMAT367	3.0 A-	Discrete Probability
SP20	APHY152	3.0 A	T.SCHNITZER/CSIC Physics II: Adv Electromagnet
SP20	ICSI210	4.0 B+	Discrete Structures
SP20	ICSI404	3.0 S#	Assembly Computer Organizatio

---- ACADEMIC COURSE WORK - FALL ----

15 CREDITS 3.68 GPA

FA20	ACHM121	3.0 A-	General Chemistry II
FA20	APHY235	3.0 A	Mathematics in Physics
FA20	APHY240	3.0 A-	Phys III: Structure of Matter
FA20	ICSI300Z	3.0 B	Societal Ethical Implications
FA20	ICSI451	3.0 A	Bayesian Data Analy/Signal Pr

---- ACADEMIC COURSE WORK - SPRING ----

13 CREDITS 3.32 GPA

SP21	ACHM124	1.0 A	General Chemistry Laboratory
SP21	ACHM125	1.0 A	General Chemistry Laborator I
SP21	APHY245	1.0 A	Physics Lab III
SP21	APHY250	3.0 A	Physics IV: Waves
SP21	ICSI311	4.0 C+	Principles Programming Lang
SP21	ICSI403	3.0 B+	Design and Analysis Algorithm

---- ACADEMIC COURSE WORK - FALL ---

18 CREDITS 3.62 GPA

FA21 APHY320 3.0 A- Classical Mechanics

FA21 APHY340 3.0 A Electromagnetism I: Statics

FA21 APHY440 3.0 A Quantum Physics I

FA21 ICSI401 3.0 A Numerical Methods

FA21 ICSI409 3.0 B+ Automata & Formal Languages

FA21 ICSI435 3.0 B- Artificial Intelligence

---- ACADEMIC COURSE WORK - SPRING----

0 CREDITS

IN-PROG 18 CREDITS

SP22 APHY335Z 3.0 IP > Advanced Physics Lab

SP22 APHY350 3.0 IP > Electromagnetism II: Electrod

SP22 APHY450 3.0 IP > Quantum Physics II

SP22 APHY460 3.0 IP > Thrmodynmcs&Statist Physics

SP22 APHY477Y 3.0 IP > Computational Methods

SP22 ICSI499 3.0 IP > Capstone Project Computer Sci

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**** LEGEND ****

>C = CROSS LISTED COURSE
TT = TEST CREDIT

>D = COURSE CANNOT BE REPEATED
LOWEST GRADE EXCLUDED

>W = PLANNED COURSE
EV = REQ MET BY WAIVER

(R)= REQUIRED COURSE
G+GRD = OVERSEAS PROGRAM (GINS)

-R = REQUIRED SUB-REQUIREMENT
GRD# = S/U OPTED COURSE

>R = COURSE ALLOWED TO
IP = IN-PROGRESS COURSE

BE REPEATED FOR CREDIT

T+GRD = TRANSFERRED COURSE

>S = COURSE WHICH HAS CREDITS
EC = COURSE & CRS WAIVED

SPLIT BETWEEN REQTS
WC = WAIVED COURSE

* = REPORTS TITLE LINE ONLY
WH = CREDITS EXEMPTED

+ = SUB-REQUIREMENT COMPLETED
WR = REQUIREMENT WAIVED

- = SUB-REQUIREMENT NOT COMPLETED

>- = COURSE SPLIT AFTER MAXIMUM LIMIT ALLOWED

OR COURSE TAKEN OUT OF SEQUENCE

XS = PASSING GRADE (XREG)

TOS = OUT OF SEQUENCE
XU = NOT PASSING GRADE

TRANSFER GRADE
N = FORMAL COURSE AUDIT

? = UNDEFINED GRADE PC = PROFICIENCY EXAM CREDITS

WI = TRANSFER WINTER COURSE

ND = NO CREDIT TRANSFER D GRADE - NO GRADUATION CREDIT

THESE INCLUDE CROSS REGISTERED COURSES

NC = NO CREDIT COURSES & NO GRADUATION CREDIT

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**** NOTICE ****

THIS DEGREE AUDIT HAS BEEN PROVIDED FOR ADVISEMENT PURPOSES

AND IS AN INTERNAL DOCUMENT ONLY FOR USE BY THE STUDENT AND

THE ACADEMIC ADVISER.

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Vanallen, Dylan Jay

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Guilderland NY 12084

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********** END OF ANALYSIS **********