

## Bachelor of Arts - Computer Science

## College of Arts &amp; Sciences

## &gt;&gt;&gt;&gt; ALL REQUIREMENTS COMPLETED - IN-PROGRESS COURSES USED &lt;&lt;&lt;&lt;

## \*\*\*\*\* NEW MEXICO STATE UNIVERSITY STAR REPORT \*\*\*\*\*

This student academic requirements (STAR) report is a planning tool and is not a contract between the student and the university. This report has been designed to assist you with planning courses to complete degree requirements. Every effort has been made to insure its accuracy; however, final confirmation of degree requirements is subject to department, college and university approval. Students must apply for degrees within deadline dates for the semester in which they anticipate to graduate. If you have questions about your degree audit, please contact your academic advisor.

## IP

## Minimum Grade Point Average and Credit Hour Requirements

Your Bachelor's degree requires a minimum of 120 completed degree hours, a minimum GPA of 2.00 in all course work, and completing at least 30 of the last 36 hours at NMSU.

+ Cumulative grade point average

3.245 GPA

+ Total degree hours earned (excludes remedial courses, applied courses beyond 9 credits, and PE activity courses beyond 9 credits). Total hours needed may be greater than the minimum needed to reach 120.

146.0 CREDITS

IN-P--->

32.0 CREDITS

+ Upper-division courses: Student must complete 48 hours at or above the 300-level. Total upper-division hours needed may be greater than the minimum needed to reach 48.

17.0 CREDITS

IN-P--->

32.0 CREDITS

+ Residency requirement: At least 30 of the last 36 degree credits must be completed at NMSU.

English Basic Skills Requirement - satisfied.

Mathematics Basic Skills Requirement - satisfied.

**OK**

## General Education Common Core Area I (9-10 Credits) Communications

- + Complete three credits of English composition - Level 1 with a grade of C or better.

Term	Course	Credits	Grade	Title
14FA	ENGL111G	4.0	B+	RHETORIC/COMPOSITION

- + Complete three credits of English composition - Level 2

Term	Course	Credits	Grade	Title
15FA	ENGL218G	3.0	B	TCHNCL & SCNTFC CMNCTN

- + Complete three credits of oral communication.

Term	Course	Credits	Grade	Title
15SP	COMM265G	3.0	A-	PRNCPLS-HUMAN CMNCTN

**OK**

## General Education Common Core Area II (3 Credits) Mathematics

- + Complete 3/4 credits of college level Mathematics or higher.

Term	Course	Credits	Grade	Title
14SP	MATH121G	3.0	CR	COLLEGE ALGEBRA

**OK**

## General Education Common Core Area III (8 Credits) Laboratory Sciences

- + Chemistry:

Term	Course	Credits	Grade	Title
14FA	CHEM111G	4.0	C	GENERAL CHEMISTRY I

- + Physics:

Term	Course	Credits	Grade	Title
15FA	PHYS215G	3.0	B	ENGINEERING PHYS I
15FA	PHYS215GL	1.0	C-	ENGR PHYS I LAB

**OK**

## General Education Common Core Areas IV & V (15 credits) Social/Behavioral Sciences and Humanities/Fine Arts

- + Social/Behavioral Sciences.

Term	Course	Credits	Grade	Title
15SP	ECON252G	3.0	B+	PRNCPLS OF MICROECONS
16SP	ANTH125G	3.0	A-	INTRO WORLD CULTURES

- + Humanities and Fine Arts.

Term	Course	Credits	Grade	Title
14SP	ART 101G	3.0	CR	ORIENTATION IN ART
16SP	HIST101G	3.0	B	ROOTS-MODERN EUROPE

- + Social/Behavioral Science/Humanities/Fine Arts.

Term	Course	Credits	Grade	Title
13FA	PSY 201G	3.0	CR	INTRDN-PSYCHOLOGY

## IP Viewing a Wider World Requirement

Take two courses (six credits) from separate colleges from the Viewing a Wider World list in the Catalog (courses are designated with a V). One of the two courses must be in a college other than your own. Both courses must be outside of your major department (including cross-listed courses). If the course is within your own college, it cannot be used toward the Viewing a Wider World requirement if it is being used to fulfill a requirement for your major.

### + College of Agricultural, Consumer and Environmental Sciences.

Term	Course	Credits	Grade	Title
16FA	GEOG315V	3.0	A	WORLD AGRI/FOOD PRBLs >>MATCHED AS: AG E315V

### + College of Arts & Sciences

Term	Course	Credits	Grade	Title
20SP	ANTH305V	3.0	IP	CNMPRY NATV AMERICANS

FOR THE BA IN STUDIO ART, CHEMISTRY, COMPUTER SCIENCE, ECONOMICS  
SOCIOLOGY, GENDER AND SEXUALITY STUDIES, PHILOSOPHY  
THEATER ARTS AND THEATER ARTS - MUSICAL THEATER,  
THERE IS NO SECOND LANGUAGE REQUIREMENT.

COURSES IN THE MAJOR: A grade of C- or better is required  
in all departmental and non-departmental requirements.

## IP Departmental Requirements - 48 - 49 credits A course can only satisfy one requirement.

### + Take CS 172, Computer Science I.

Term	Course	Credits	Grade	Title
16SP	C S 172	4.0	A	COMPUTER SCIENCE I

### + Take C S 271, Intro. to Object-Oriented Programming.

Term	Course	Credits	Grade	Title
16FA	C S 271	4.0	B	O O PROGRAMMING

### + Take CS/MATH 278, Discrete Math for Computer Science.

Term	Course	Credits	Grade	Title
19SP	C S 278	4.0	C	DISCRETE MATH FOR CS

### + Take C S 272, Intro. to Data Structures.

Term	Course	Credits	Grade	Title
19SP	C S 272	4.0	B	INTRDN-DATA STRCTRS

+ **Take CS 273, Machine Programming & Organization.**

Term	Course	Credits	Grade	Title
16FA	C S 273	4.0	B	MACHINE PROG & ORG

+ **Take C S 370, Compilers and Automata.**

Term	Course	Credits	Grade	Title
19FA	C S 370	4.0	A+	COMPILERS & AUTOMATA

+ **Take C S 371, Software Development.**

Term	Course	Credits	Grade	Title
19FA	C S 371	4.0	A-	SOFTWARE DEVELOPMENT

+ **Take C S 419, Computing Ethics and Social Implications of Computing.**

Term	Course	Credits	Grade	Title
20SP	C S 419	1.0	IP	ETHICS AND COMPUTING

+ **Take C S 448, Senior Project or C S 449, Senior Thesis.**

Term	Course	Credits	Grade	Title
20FA	C S 448	4.0	IP	SENIOR PROJECT

+ **Take C S 482, Database Management Systems I.**

Term	Course	Credits	Grade	Title
20SP	C S 482	3.0	IP	DATABASE MGT SYS I

+ **Take two of the following: C S 343 or 372, 471, 473, 474, 475, 476, 477, 478, 479, 480, 481, 483, 484, 485, 486, 487, 488, 489, 491, 494, 496.**

Term	Course	Credits	Grade	Title
19FA	C S 477	3.0	A	DIGITAL GAME DESIGN
20SP	C S 479	3.0	IP	SPECIAL TOPICS

+ **Take two of the following: C S 475, 476, 477, 478, 479, 480, 481, 483, 484, 485, 486, 487, 488, 489, 491, 494, 496.**

Term	Course	Credits	Grade	Title
20FA	C S 476	3.0	IP	COMPUTER GRAPHICS I
20FA	C S 485	3.0	IP	HUMAN-CENTERED COMPUTING

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**IP** **Non-departmental Requirements - 18 -22 credits**

+ **Take COMM 253G or COMM 265G or HON 265G.**

Term	Course	Credits	Grade	Title
15SP	COMM265G	3.0	A-	PRNCPLS-HUMAN CMNCTN

+ **Take ENGL 218G or 311G or 318G.**

Term	Course	Credits	Grade	Title
15FA	ENGL218G	3.0	B	TCHNCL & SCNTFC CMNCTN

+ Take one of the following: MATH 142G, MATH 191G, MATH 235.

Term	Course	Credits	Grade	Title
15SP	MATH191G	4.0	C-	CALCULUS I

+ Take one of the following: STAT 251G, 271G, 371, 470 A ST 251G, 311.

Term	Course	Credits	Grade	Title
19FA	A ST311	3.0	B	STATISTICAL APPLCN

+ Take two upper division courses in any one department outside CS.

Term	Course	Credits	Grade	Title
16FA	GEOG315V	3.0	A	WORLD AGRI/FOOD PRBLS
20SP	GEOG326	3.0	IP	U.S. NATIONAL PARKS

Electives used to bring total to 120 credit hours or beyond

Term	Course	Credits	Grade	Title
10FA	AUTO125	5.0	CR	BRAKES
10FA	C S 110	3.0	CR	COMPUTER LITERACY
11FA	CMT 195	3.0	CR	DIG VID EDITING I
12S1	UNIV150	3.0	CR	FRESHMAN YR EXPERIENCE
12FA	AUTO126	5.0	CR	SUSPENSION/STEERING/ALGINMT
12FA	WELD101	2.0	CR	FUNDAMENTALS OF WELDING
12FA	WELD105	2.0	CR	INTRDN TO WELDING
13FA	AUTO127	5.0	CR	BASIC AUTOMATIC TRANSMISSION
14SP	AUTO141	3.0	CR	AUTO FUEL INJECTION
14FA	ENGR100	3.0	A	INTRO TO ENGINEERING
14FA	MATH190G	4.0	C	TRIG AND PRE-CALCULUS
15SP	E E 161	4.0	A-	PROBLEM SOLVING
15SP	LIB 101	1.0	A	INTRO TO RESEARCH
15FA	BCIS110	3.0	A	INTRO CMPTRZD INFO SYS
15FA	E E 162	4.0	B-	DIGITAL CIRCUIT DESIGN
15FA	UNIV113	1.0	A	SPEED READING
16SP	PHIL101G	3.0	A	THE ART OF WONDERING
16SP	UNIV114	2.0	A	FINANCIAL LITERACY
16FA	GOVT100G	3.0	A	AMER NATIONAL GOVT
16FA	UNIV112	2.0	A	ACAD & PERSONAL EFFCTVNS
17SP	ASTR110G	4.0	C+	INTRDN TO ASTRONOMY
17SP	C S 153	3.0	A-	PYTHON PROGRAMMING I
19FA	UNIV110	1.0	A	PRNL LRNG SKILLS I
20SP	C EP300V	3.0	IP	HUMAN RELATIONS TRNG
20FA	C S 471	3.0	IP	PROG LANG STRUCTURE I
20FA	PHLS301V	3.0	IP	HUMAN SEXUALITY

Courses not earning academic credit

Term	Course	Credits	Grade	Title
14SP	HIST100 E	0.0	GR	HISTORY ELECTIVE LD
15FA	MATH192G	0.0	W	CALCULUS II
16FA	MATH192G	0.0	W	CALCULUS II
17SP	C S 272	0.0	W	INTRDN-DATA STRCTRS
17SP	C S 278	0.0	W	DISCRETE MATH FOR CS
20SP	C S 475	0.0	W	ARTIFICIAL INTLGNCE I

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===== *      LEGEND      *=====
                DEGREE AUDIT CODES:
NO  REQUIREMENT NOT COMPLETE      }R  REPEAT - GRADE IN GPA
OK  REQUIREMENT COMPLETE          }X  REPEAT - GRADE NOT IN GPA
IP  REQUIREMENT IN PROGRESS       }P  PLANNED COURSE GRADE IN GPA
+   SUB-REQUIREMENT COMPLETE     < }A ADJUSTED CREDIT OPTION
-   SUB-REQUIREMENT NOT COMPLETE }S  COURSE SPLIT
IN-P---> IN-PROGRESS SUMMARY      }N REMEDIAL COURSE-GRADE IN GPA
                                   }* REPEAT - IN-PROGRESS
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===== *  THIS AUDIT IS SUBJECT TO ADMINISTRATIVE APPROVAL  *=====
        AND ASSUMES IN-PROGRESS COURSES WILL BE COMPLETED SUCCESSFULLY
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### NMSU LEGEND

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