

HOW TO READ A CHECKSHEET

WHAT IS A CHECKSHEET?

- The university refers to graduation requirements as "checksheets."
- College of Engineering checksheets can be found [here](#).

UNDERSTANDING THE CHECKSHEET

College	→	College of Engineering
Department of major	→	Department of Mining and Minerals Engineering
Degree title	→	Degree: Bachelor of Science in Mining Engineering
Major title	→	Major: Mining Engineering
Students and year checksheet is for	→	For students graduating in calendar year 2022 <i>and</i> for student date of entry under UG Catalog 2020-2021
Minimum credits needed to graduate	→	Credits Required for Graduation: 128

Checksheets in the College of Engineering show a generalized course plan that includes pre-requisites, co-requisites, term offerings, and grade requirements.

It is important to review the checksheet for all majors you are interested in as the requirements vary, specifically with regards to the minimum grade requirement in specific courses.

	FALL SEMESTER SECOND YEAR	Credits
	CS 1044 Introduction to Programming in C or CS 1064 Introduction to Programming in Python or ECE 1574 Engineering Problem Solving with C++ <i>Pre:</i> (ENGE 1024 <i>or</i> ENGE 1215 <i>or</i> ENGE 1414), (MATH 1205 <i>or</i> MATH 1205H <i>or</i> MATH 1225)	3
	MATH 1114 Elementary Linear Algebra (C-) or MATH 2114 Introduction to Linear Algebra (C-) <i>Pre:</i> MATH 1225 (B) <i>or</i> MATH 1226	2-3
	MATH 2204 Intro Multivariable Calculus (C-) <i>Pre:</i> MATH 1226	3
	PHYS 2306 Foundations of Physics I w/lab <i>(Pre: MATH 1206 <i>or</i> MATH 1206H <i>or</i> MATH 1226), PHYS 2305</i>	4
	ISE 2004 Introduction to Industrial and Systems Engineering ⁽¹⁾ (C-)	1 ^[F, S, SI]
	ISE 2014 Engineering Economy ⁽¹⁾ (C-)	2 ^[F, S, SI, SII]
	ISE 2214 Manufacturing Processes Laboratory ⁽¹⁾ (C-)	1 ^[F, S, SI]
	TOTAL	16-17

Courses typically taken by students in a given year.

A choice between courses is represented with an "or" statement, only one course is necessary.

Pre = Pre-requisite, courses which must be passed before.
Co = Co-requisite, courses which must be taken at the same time or completed before.

The minimum grade required for this course, if no minimum grade is listed, a D- or better is sufficient.

Term Offerings

- F = Fall
- S = Spring
- SI = Summer I
- SII = Summer II
- SIII = Summer III

- Additional pages on degree checksheets include information on general education requirements, satisfactory progress towards degree, and specific electives within the degree.
- To determine the Pathways you have completed and which Pathways are fulfilled through Engineering requirements, review the [How to Check Pathways Progress](#) document.

WHAT SHOULD I DO NEXT?

- Use this information to develop a [plan of study \(or academic plan\)](#).