



Washkewicz College of Engineering

UNDECIDED/EXPLORATORY MAJOR DEGREE CHARTS

(Prerequisites Included)

Select your Mathematics entry course:

1. [Calculus Entry Plan](#)
2. [Precalculus Entry Plan](#)
3. [Precalculus Entry with ET Plan](#)

Note: **ONLY** the Calculus Entry 4-Year Plan is linked to the Undergraduate Catalog 23-24.

Undecided/Exploratory Major

Recommended Course Sequence *Calculus Entry*

Updated August 2023

| Semester 1 | Semester 2 |
|--|---|
| ESC 120 [2] Intro to Engr. Design | ESC 152 [3] Programing with Matlab |
| ★ ESC 100 [1] New Student Orientation | PHY 241 [3] Physics I (MTH 181) |
| MTH 181 [4] Calculus I | MTH 182 [4] Calculus II (MTH 181) |
| ENG 100 [3] Intensive Writing or ENG 101 [3] College Writing I | ESC 102 [3] Technical Writing (Preferred) |
| General Ed. Elective [3] SS | |
| General Ed. Elective [3] DIV | |
| 16 Total Credit Hours | 13 Total Credit Hours |

| Updated Fall 2023 | | | |
|---|----------------------|------------------------|--|
| To eliminate one (1) of your General Education Requirements, consider taking a course that qualifies as two (2) General Ed. Courses | | | |
| Recommended Courses that Qualify as Two (2) General Ed. Courses | | | |
| Course | Social Sciences (SS) | Arts & Humanities (AH) | Non-Western Social Sciences (ALAAME & NW-SS) |
| ANT 153 – Intro to African Cultures | X | | X |
| ANT 275 – Ancient Mysteries | X | | X |
| COM 201 – Com & Relationships / East Asian | X | | X |
| COM 233 – Bollywood & Beyond | X | | X |
| HIS 103 – Ancient World His to 1300 C.E. | X | | X |
| HIS 104 – Modern World History | X | | X |
| SOC 210 – Dev. Societies in Changing World | X | | X |
| UST 206 – Megacities of Asia | X | | X |
| UST 222 – World Population and Society | X | | X |
| ANT 103 – Rise/Fall of Civilizations | | X | X |
| ANT 171 – Native Civilization of Americas | | X | X |
| ARB 274 – Introduction to Middle East | | X | X |
| ART 281 – Asian Art | | X | X |
| ART 286 – African Art | | X | X |
| ENG 204 – World Literature | | X | X |
| HIS 165 – Intro to Latin American History | | X | X |
| HIS 175 – Intro to African History | | X | X |
| HIS 185 – Survey of Middle Eastern History | | X | X |
| HIS 195 – Intro to East Asian History | | X | X |
| MUS 263 – Black Music of Two Worlds | | X | X |
| PHL 255 – Non-Western Philosophy | | X | X |
| PHL 262 – Medieval Philosophy | | X | X |
| REL 101 – Understanding Religion | | X | X |
| REL 268 – Religion & Culture in Africa | | X | X |
| WLC 265 – Francophone Lit in Translation | | X | X |

Popular 100-200 Level General Ed. Courses

SOCIAL SCIENCES (SS)

[PSY 220 – Child Development \(SS\)](#)
[UST 200 – Intro to Urban Studies \(SS\)](#)
[COM 233 – Bollywood & Beyond UST 200 – Intro to Urban Studies \(SS\)](#)

ARTS & HUMANITIES (AH)

[MUS 161 – Roots of Rock & Soul \(AH\)](#)
[UST 201 – Building Cleveland \(AH\)](#)
[REL 101 – Understanding Religion \(AH\)](#)
[MUS 263 – Black Music \(AH\)](#)
[ANT 171 – Native Civilizn of Amer. \(AH\)](#)

US DIVERSITY (US DIV)

[ANT 100 – Human Diversity \(US DIV\)](#)
[SOC 201 – Race/Class/Gender \(US DIV\)](#)

AFRICAN-AMERICAN (AFRICAN-AMER.)

[SWK 150 – The Black Experience \(African- Amer.\)](#)
[UST 202 – Cleveland: The Afr-Amer Exp. \(African-Amer.\)](#)

(Prerequisites) • (*Pre/co-requisite) • [# of Course Credits]

- Required Engineering Courses **Highly recommended, yet optional.
- General Ed. Electives (2 A&Hs, 2 SSs, 1 ALAAME, & 2 DIVs)
- Required Science Courses
- Required Math Courses
- Required English Courses (ESC 102 is preferred. However, can be substituted with ENG 102.)

★ Must take ESC 100 (Exception of ASC 101 upon WCE Advisor Approval or special ASC 101 section.)

↓ Scroll Down to View the Precalculus Entry Degree Chart ↓

Undecided/Exploratory Major

Recommended Course Sequence *Precalculus Entry*

Updated August 2023

| Semester 1 | Semester 2 | Summer Semester |
|--|---|--|
| ESC 120 [2] Intro to Engr. Design | General Ed. Elective [3] | OPSTEM MTH 180 SUMMER CALCULUS I [4] (Average B- or better in MTH 167&168) |
| ★ ESC 100 [1] New Student Orientation | MTH 168 [3] Precalculus II (MTH 165 or MTH 167) | |
| MTH 165 [3] Intensive Precalc I or MTH 167 [3] Precalc I | ESC 102 [3] Technical Writing (Preferred) OR ENG 102 [3] College Writing II (ENG 100 or ENG 101) | |
| ENG 100 [3] Intensive Writing or ENG 101 [3] College Writing I | General Ed. Elective [3] | |
| General Ed. Elective [3] | General Ed. Elective [3] | |
| General Ed. Elective [3] | | |
| 15 Total Credit Hours | 15 Total Credit Hours | |

| Updated Fall 2023 | | | |
|---|----------------------|------------------------|--|
| To eliminate one (1) of your General Education Requirements, consider taking a course that qualifies as two (2) General Ed. Courses | | | |
| Recommended Courses that Qualify as Two (2) General Ed. Courses | | | |
| Course | Social Sciences (SS) | Arts & Humanities (AH) | Non-Western Social Sciences (ALAAME & NW-SS) |
| ANT 153 – Intro to African Cultures | X | | X |
| ANT 275 – Ancient Mysteries | X | | X |
| COM 201 – Com & Relationships / East Asian | X | | X |
| COM 233 – Bollywood & Beyond | X | | X |
| HIS 103 – Ancient World His to 1300 C.E. | X | | X |
| HIS 104 – Modern World History | X | | X |
| SOC 210 – Dev. Societies in Changing World | X | | X |
| UST 206 – Megacities of Asia | X | | X |
| UST 222 – World Population and Society | X | | X |
| ANT 103 – Rise/Fall of Civilizations | | X | X |
| ANT 171 – Native Civilization of Americas | | X | X |
| ARB 274 – Introduction to Middle East | | X | X |
| ART 281 – Asian Art | | X | X |
| ART 286 – African Art | | X | X |
| ENG 204 – World Literature | | X | X |
| HIS 165 – Intro to Latin American History | | X | X |
| HIS 175 – Intro to African History | | X | X |
| HIS 185 – Survey of Middle Eastern History | | X | X |
| HIS 195 – Intro to East Asian History | | X | X |
| MUS 263 – Black Music of Two Worlds | | X | X |
| PHL 255 – Non-Western Philosophy | | X | X |
| PHL 262 – Medieval Philosophy | | X | X |
| REL 101 – Understanding Religion | | X | X |
| REL 268 – Religion & Culture in Africa | | X | X |
| WLC 265 – Francophone Lit in Translation | | X | X |

Popular 100-200 Level General Ed. Courses

SOCIAL SCIENCES (SS)

- [PSY 220 – Child Development \(SS\)](#)
- [UST 200 – Intro to Urban Studies \(SS\)](#)
- [COM 233 – Bollywood & Beyond UST 200 – Intro to Urban Studies \(SS\)](#)

ARTS & HUMANITIES (AH)

- [MUS 161 – Roots of Rock & Soul \(AH\)](#)
- [UST 201 – Building Cleveland \(AH\)](#)
- [REL 101 – Understanding Religion \(AH\)](#)
- [MUS 263 – Black Music \(AH\)](#)
- [ANT 171 – Native Civilizn of Amer. \(AH\)](#)

US DIVERSITY (US DIV)

- [ANT 100 – Human Diversity \(US DIV\)](#)
- [SOC 201 – Race/Class/Gender \(US DIV\)](#)

AFRICAN-AMERICAN (AFRICAN-AMER.)

- [SWK 150 – The Black Experience \(African- Amer.\)](#)
- [UST 202 – Cleveland: The Afr-Amer Exp. \(African-Amer.\)](#)

(Prerequisites) • (*Pre/co-requisite) • [# of Course Credits]

Required Engineering Courses **Highly recommended, yet optional.

Required Science Courses

Required English Courses (ESC 102 is preferred. However, can be substituted with ENG 102.)

General Ed. Electives (2 A&Hs, 2 SSs, 1 ALAAME, & 2 DIVs)

Required Math Courses

★ Must take ESC 100 (Exception of ASC 101 upon WCE Advisor Approval or special ASC 101 section.)

↓ Scroll Down to View the Precalculus Entry with Engineering Technology Degree Chart ↓

Undecided/Exploratory Major

Recommended Course Sequence *Precalculus Entry with Engineering Technology*

Updated August 2023

| Semester 1 | Semester 2 |
|---|--|
| ESC 120 [2] Intro to Engr. Design | ESC 130 [1] Engineering Co-op Orientation <i>*Co-op Program Only*</i> |
| ★ ESC 100 [1] New Student Orientation | MTH 149 [4] Math for Bus. Majors II (MTH 148) |
| MTH 148 [3] Math for Business Majors I | ESC 102 [3] Technical Writing (Preferred) OR ENG 102 [3] College Writing II (ENG 100 or ENG 101) |
| ENG 100 [3] Intensive Writing or ENG 101 [3] College Writing I | General Ed. Elective [3] <i>SS-NW</i> |
| General Ed. Elective [3] <i>SS</i> | General Ed. Elective [3] <i>A&H</i> |
| General Ed. Elective [3] <i>DIV</i> | |
| 15 Total Credit Hours | 14 Total Credit Hours |

| Updated Fall 2023 | | | |
|---|----------------------|------------------------|--|
| To eliminate one (1) of your General Education Requirements, consider taking a course that qualifies as two (2) General Ed. Courses | | | |
| Recommended Courses that Qualify as Two (2) General Ed. Courses | | | |
| Course | Social Sciences (SS) | Arts & Humanities (AH) | Non-Western Social Sciences (ALAAME & NW-SS) |
| ANT 153 – Intro to African Cultures | X | | X |
| ANT 275 – Ancient Mysteries | X | | X |
| COM 201 – Com & Relationships / East Asian | X | | X |
| COM 233 – Bollywood & Beyond | X | | X |
| HIS 103 – Ancient World His to 1300 C.E. | X | | X |
| HIS 104 – Modern World History | X | | X |
| SOC 210 – Dev. Societies in Changing World | X | | X |
| UST 206 – Megacities of Asia | X | | X |
| UST 222 – World Population and Society | X | | X |
| ANT 103 – Rise/Fall of Civilizations | | X | X |
| ANT 171 – Native Civilization of Americas | | X | X |
| ARB 274 – Introduction to Middle East | | X | X |
| ART 281 – Asian Art | | X | X |
| ART 286 – African Art | | X | X |
| ENG 204 – World Literature | | X | X |
| HIS 165 – Intro to Latin American History | | X | X |
| HIS 175 – Intro to African History | | X | X |
| HIS 185 – Survey of Middle Eastern History | | X | X |
| HIS 195 – Intro to East Asian History | | X | X |
| MUS 263 – Black Music of Two Worlds | | X | X |
| PHL 255 – Non-Western Philosophy | | X | X |
| PHL 262 – Medieval Philosophy | | X | X |
| REL 101 – Understanding Religion | | X | X |
| REL 268 – Religion & Culture in Africa | | X | X |
| WLC 265 – Francophone Lit in Translation | | X | X |

| Popular 100-200 Level General Ed. Courses |
|--|
| SOCIAL SCIENCES (SS) |
| PSY 220 – Child Development (SS) |
| UST 200 – Intro to Urban Studies (SS) |
| COM 233 – Bollywood & Beyond UST 200 – Intro to Urban Studies (SS) |
| ARTS & HUMANITIES (AH) |
| MUS 161 – Roots of Rock & Soul (AH) |
| UST 201 – Building Cleveland (AH) |
| REL 101 – Understanding Religion (AH) |
| MUS 263 – Black Music (AH) |
| ANT 171 – Native Civilizn of Amer. (AH) |
| US DIVERSITY (US DIV) |
| ANT 100 – Human Diversity (US DIV) |
| SOC 201 – Race/Class/Gender (US DIV) |
| AFRICAN-AMERICAN (AFRICAN-AMER.) |
| SWK 150 – The Black Experience (African- Amer.) |
| UST 202 – Cleveland: The Afr-Amer Exp. (African-Amer.) |

(Prerequisites) • (*Pre/co-requisite) • [# of Course Credits]

English Requirements *if necessary, ENG 102 can be substituted for ESC 102
 Electives
 Required Courses

Math Requirements
 Science Requirements
 General Ed. Electives (2 A&Hs, 2 SSs, 1 ALAAME, & 2 DIV)

★ Must take ESC 100 (Exception of ASC 101 upon WCE Advisor Approval or special ASC 101 section.)

