solve for $(X)$ in terms of $(why)$!
1) What college hosts the explored major?

2) What field of study does this major cover?

3) Under what Career Designation is it listed?

Universities normally have a number of colleges that host all the majors and degrees based on fields of study (College of Business, College of Education, etc.)

Colleges differ in their GPA and course requirements. They also have certain standards of what is accepted and what is expected from their students. Therefore, it is important for the exploring student to know what college hosts their explored major and to familiarize themselves with the culture of that college. For example: Majors in the College of Business require a GPA of 2.75, while the College of Engineering requires 3.0. The College of Arts & Sciences require its students to choose a minor with their major.

By the time students graduate from a university, they will have been exposed to multiple academic fields of study. A field of study is a branch of knowledge that is taught and researched as part of higher education. Fields of study can include Creative Arts, Social & Behavioral Sciences, Oral and Written Communication, Physical and Life Sciences, etc.

Majors can be explored by what a student can do with them after graduation in the job market. Majors can be grouped based on the following career endorsements:
- business & industries
- arts & humanities
- science, technology, engineering and math (stem)
- public service
- social sciences
- multi-disciplinary
Majors listed by career designations

**Stem (science, technology, engineering & math)**
- Nutritional Sciences & Dietetics
  - Nutrition
- Human Sciences
- Architecture
- Information Technology
  - Wind Energy
  - Graphic Design
  - Theatre Design
  - Transmedia
- Music Theory
- Animal Science
- Food Science
- Plant & Soil Science
  - Agribusiness
- Ag Communications
- Interdisciplinary Ag
- Natural Resource Management
  - Biochemistry
  - Biology
- Cell and Molecular Biology
  - Chemistry
  - Geography
  - Geosciences
  - Kinesiology
  - Mathematics
  - Microbiology
- Physics & Astronomy
- Pre-Professional Health Careers
  - Psychology
- Communication Studies
  - Public Relations
  - Journalism
- Digital Media & Professional Communication
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Construction Engineering
- Electrical Engineering
- Environmental Engineering
- Industrial, Manufacturing, and Systems Engineering
- Mechanical Engineering
- Petroleum Engineering
- Multidisciplinary Studies – CoEd
- Multidisciplinary Science – CoEd

**Public Service**
- Community Family & Addiction Sciences
- Early Childhood
- Human Development & Family Studies
- Family & Consumer Sciences Education
- Human Sciences
- Nutrition
- Art Education (Visual Studies)
- Music Education
- Theatre Arts Education
- Dance Education
- Animal Science
- Conservation Law Enforcement
- Natural Resource Management
- Interdisciplinary Ag
- Ag & Applied Economics
- Agribusiness
- Ag Communications
- Public Relations
- Communication Studies
- Journalism
- Digital Media & Professional Communication
- Advertising
- Creative Media Industries
- Classics
- Multidisciplinary Studies
- Multidisciplinary Science
Majors listed by career designations

(arts & humanities)

Human Development & Family Studies
Family & Consumer Sciences Education
Interior Design
Apparel Design & Manufacturing
Architecture
Art
Art History
Creative Arts (Studio)
Dance
Music
Theatre Arts
Landscape Architecture
Ag Communications
Anthropology
English
German, French, Spanish, Chinese
History
Philosophy
Political Science
Russian Language and Area Studies
Classics
Advertising
Creative Media Industries
Journalism
Communication Studies
Media Strategies
Multidisciplinary Studies

(business & industries)

Personal Financial Planning
Retail Management
Restaurant, Hotel, & Institutional Management
Architecture
Accounting
Finance
Management
Marketing
Energy Commerce
Supply Chain Management
General Business (CONE)
Graphic Design
Theatre Design
Agribusiness
Ag & Applied Economics
Ag Communications
Animal Science
Landscape Architecture
Food Science
Plant & Soil Science
Interdisciplinary Ag
Economics
Global Studies
International Economics
Sport Management
Technical Communication
Geosciences
Mathematics
Geography
Anthropology
Sociology
Social Work
German, French, Spanish, Chinese, Russian Language and Area Studies
Physics & Astronomy
Chemistry
Advertising
Public Relations
Journalism
Digital Media & Professional Communication
Media Strategies
Creative Media Industries
Communication Studies
Classics
### (multi-disciplinary)

- Human Sciences
- Family & Consumer Sciences
- Education
- University Studies
- Interdisciplinary Arts Studies
- Interdisciplinary AG
- Ag & Applied Economics
- Ag Communications
- General Studies
- Geography
- Geosciences
- German, French, Spanish, Chinese

### (social sciences)

- Anthropology
- Economics
- Political Science
- Pre-Professional Health Careers
- Social Work
- Sociology
- Global Studies
- Geography
- Geosciences
- Advertising
- Digital Media & Professional Communication
- Public Relations
- Journalism
- Community Family & Addiction Sciences
- Human Development & Family Studies

- Human Sciences
- Agribusiness
- Ag & Applied Economics
- Ag Communications
- Interdisciplinary AG
- Landscape Architecture
- Multidisciplinary Studies
In the opposite column, provide values for (x) and (why) where:

\( (x) = \text{the explored major} \)

\( (why) = \text{what college hosts } x? \)
\( \text{what field of study does } x \text{ cover?} \)
\( \text{what meta-major does } x \text{ belong to?} \)

keep in mind that it is recommended to come up with at least two sets of values for two possible majors that you see fit.

\( (x)1 = \)
-------------------------------------
\( (why)1 = \)
-------------------------------------
\( (x)2 = \)
-------------------------------------
\( (why)2 = \)
-------------------------------------
\( (x)3 = \)
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\( (why)3 = \)
-------------------------------------
[ minors ]
What Is a Minor?

A minor is a specialization or concentration that may complement your college major or may explore a completely unrelated field. For example, if you are majoring in biology, you may choose to minor in a related field, such as Chemistry, or an unrelated field, such as Spanish. Students who elect to add a minor have to take at least 6 classes in the chosen subject.

Why Do You need a Minor?

Pursuing a minor allows you to enhance your major studies and develop a side passion. It gives you an edge intellectually by introducing you to new ideas and, depending on what you choose, it can give you a professional edge, too. If your minor is related to your field, it can show potential employers that you have a depth of knowledge that sets you apart from other recent graduates in your intended industry. While a minor unrelated to your field may show employers that you are curious and multi-faceted.

At Texas Tech, only the College of Arts & Sciences requires its student to add a minor to their intended major.

Student in ALL majors have the option to add a minor.
### TTU minors by career cluster

#### Humanities & Culture
- anthropology
- book history & digital humanities
- classics
- environment & the humanities
- history
- humanities
- Military history
- military studies
- philosophy

#### Communication & Languages
- american sign language
- arabic
- asian studies
- chinese
- communication studies
- comparative literature
- creative media industries
- cross cultural studies
- dramatic writing
- english
- ethnic studies
- european studies
- french
- german
- greek
- italian
- japanese
- journalism
- latin
- latin american iberian studies
- linguistics
- media strategies
- mexican american latino/a studies
- portuguese
- public relations
- russian
- russian language & area studies
- spanish

#### Engineering, Computing & Math
- bioengineering
- chemical engineering
- civil engineering
- composite minor in geosciences
- computer science
- construction engineering
- electrical engineering
- engineering environmental engineering
- engineering
- geography
- industrial engineering
- international engineering
- mathematics
- mechanical engineering
- nuclear engineering
- physics
- polymers & materials
<table>
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<th>TTU minors by career cluster</th>
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<tr>
<td><strong>business, finance &amp; economics</strong></td>
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<tr>
<td>actuarial science</td>
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<tr>
<td>advertising</td>
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<td>apparel design and manufacturing</td>
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Do You Need or Want a Minor?
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