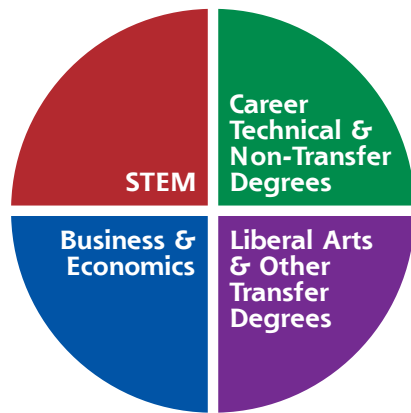


WHICH MATH IS REQUIRED FOR MY MAJOR?



- CALCULUS BASED MAJORS
 - MAT 25 Pre-Calculus*
 - MAT 27 Pre-Calculus & Trigonometry
 - MAT 3A Analytic Geometry and Calculus I
 - Require Completion of Math III or higher in HS. Students who have not met this requirement, should enroll in MAT 123
- Most Certificates in this area require MAT 106 Integrated Math
 - Associate Degrees require MAT 123 Intermediate Algebra* but...
 - Students can choose to take a transfer level Math class to meet the math requirement for all of our local non-transfer degrees.
- Majors in this area usually require BOTH Elementary Statistics & Business Calculus. *Requirements will vary by transfer campus.*
 - MAT 16 Finite Mathematics
 - MAT 2 Calculus for Managerial, Life and Social Sciences
 - MAT 13 Elementary Statistics*
- Most majors in this area require MAT 13 Elementary Statistics*
 - A few majors in this area are flexible and you can use any transfer level math course to fulfill degree requirements.
 - Future Elementary School Teachers should choose MAT 12 Number Systems

* 1-unit support courses are available.



HARTNELL COLLEGE
COUNSELING DEPARTMENT
TRANSFER & CAREER CENTER

EXPLORATION OF MAJORS AND MATH PLACEMENT

STEM

MAT 3A Calculus I or Higher

- Astronomy
- Biology
- CSS-Computer Science Option
- Engineering (AS, CT)
- Computer Science for Transfer (AS-T)
- Biology for Transfer Degree (AS-T)
- Chemistry for Transfer Degree (AS-T)
- Geology for Transfer Degree (AS-T)
- Mathematics for Transfer Degree (AS-T)
- Physics for Transfer (AS-T)
- Computer Science for Transfer (AS-T)

Majors in this area will require additional math courses.

CTE & NON-TRANSFER DEGREES

MAT 123 Intermediate Algebra

- Addiction Studies
- Chicanx Studies
- Vocational Nursing
- Registered Nursing
- Digital Arts
- General Studies-Ethnic Groups in the US Emphasis
- General Studies - Humanities Emphasis
- General Studies - Language & Rationality Emphasis
- General Studies - Natural Sciences Emphasis
- General Studies - Social & Behavioral Science Emphasis
- Spanish
- Theatre Arts & Cinema
- Music
- Photography
- Administration of Justice
- Advanced Automotive Technology
- Advanced Diesel Technology
- Agriculture Business Emphasis
- Agriculture-Production
- CSS-Computer Science Option
- CSS-Network & Security option
- CSS-Digital & Web Design Option
- CSS-Network & Security option

- Respiratory Care Practitioner
- Business Office Technology-Info Processing
- Construction Management & Architecture
- Early Childhood Education
- Welding Technology

CERTIFICATES

MAT 106 Integrated Math

- Administration of Justice
- Agriculture-Food Safety
- Digital Arts
- Early Childhood Education
- Photography
- Welding Technology

MAT 121 Elementary Algebra

- Addiction Studies Certificate
- Administration of Justice
- Agriculture Business
- Agriculture Food Safety
- Agriculture Production
- Alcohol and Drug Abuse Counseling
- Business Office Tech - Bookkeeping
- Business Office Tech-Info Processing

BUSINESS & ECONOMICS

MAT 13 Elementary Statistics & MAT 2 Calculus for Managerial, Life and Social Sciences

- Psychology (for Transfer to UC)
- Economics for Transfer Degree (AA-T)
- Agriculture Business for Transfer (AS-T)
- Business Administration for Transfer (AS-T)

LIBERAL ARTS & OTHER TRANSFER DEGREES

MATH 13 Elementary Statistics

- Social Justice Studies (AA-T)
- Agriculture Plant Science for Transfer (AS-T)
- Law, Public Policy and Society (AA-T)
- Liberal Arts-Anthropology Emphasis
- Liberal Arts-Culture & Society Emphasis
- Liberal Arts-Art & Design Emphasis
- Liberal Arts-History Emphasis
- Liberal Arts-Psychology Emphasis
- Liberal Arts-Political Science Emphasis
- Liberal Arts-Sociology & Social Sciences Emphasis
- Liberal Arts - Philosophy Emphasis
- Public Health Science for Transfer (AA-T)
- Kinesiology for Transfer (AA-T)
- Political Science for Transfer (AA-T)
- Psychology for CSU Transfer (AA-T)*
- Administration of Justice for Transfer (AS-T)
- Sociology for Transfer (AA-T)
- Physical Education - Kinesiology

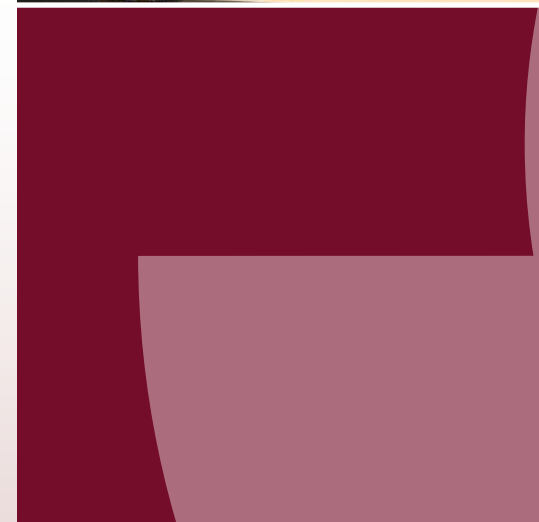
MATH 12 Number Systems

- Elementary Teacher Education for Transfer (AA-T)

*See Business/Economics Column for Psychology for transfer to UC

MATH 13 Elementary Statistics, MATH 10 Math for Liberal Arts, or any Transfer Level Math (1-99)

- Communication Studies for Transfer Degree (AA-T)
- English for Transfer (AA-T)
- History for Transfer (AA-T)
- Music for Transfer (AA-T)
- Studio Arts for Transfer (AA-T)
- Spanish for Transfer (AA-T)
- Theatre Arts for Transfer (AA-T)
- Early Childhood Education for Transfer (AS-T)
- Liberal Arts-Humanities Emphasis
- Liberal Arts-Languages & Literature Emphasis
- CSU General Ed Breadth
- IGETC
- Social Justice Studies (AA-T)
- Agriculture Plant Science for Transfer (AS-T)
- Law, Public Policy and Society (AA-T)
- Film, Television and Electronic Media (AS-T)



This math placement resource/guide is developed in support of students in understanding the math guided placement rules established by the Hartnell College Math Department. If you decide to change your major, we highly recommend that you see your counselor before making any changes.

WHICH CAREER IS RIGHT FOR YOU?

TAKE THE RIASEC SURVEY*. FOLLOW THESE EASY STEPS TO SEE WHERE YOUR INTERESTS ARE:

- 1 Read each statement. If you agree with the statement, fill in the circle. There are no wrong answers!
- 2 Add up the number of filled in circles by column.

1 I like to work on cars	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2 I like to do puzzles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3 I am good at working independently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4 I like to work in teams	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5 I am an ambitious person, I set goals for myself	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6 I like to organize things (i.e., files, desks/offices)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7 I like to build things	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8 I like to read about art and music	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9 I like to have clear instructions to follow	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10 I like to try to influence or persuade people	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11 I like to do experiments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12 I like to teach or train people	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13 I like trying to help people solve their problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14 I like to take care of animals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15 I wouldn't mind working 8 hours per day in an office	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16 I like selling things	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
17 I enjoy creative writing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
18 I enjoy science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19 I am quick to take on new responsibilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20 I am interested in healing people	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
21 I enjoy trying to figure out how things work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
22 I like putting things together or assembling things	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
23 I am a creative person	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
24 I pay attention to details	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
25 I like to do filing or typing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
26 I like to analyze things (problems/situations)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
27 I like to play instruments or sing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
28 I enjoy learning about other cultures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
29 I would like to start my own business	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
30 I like to cook	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
31 I like acting in plays	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
32 I am a practical person	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
33 I like working with numbers or charts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
34 I like to get into discussions about issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
35 I am good at keeping records of my work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
36 I like to lead	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
37 I like working outdoors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
38 I would like to work in an office	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
39 I'm good at math	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
40 I like helping people	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
41 I like to draw	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
42 I like to give speeches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Grand Total Scores	R	I	A	S	E	C

3 Using your grand total scores from below, transfer them into the appropriate letter column here, then record the top 3 scores onto your "Interest Code"

Total	
R	Realistic
I	Investigative
A	Artistic
S	Social
E	Enterprising
C	Conventional

My Interest Code

___ _ _

This tool does not replace the advice of a Counselor.

Remember to discuss your education/career goals with a Counselor in a one-on-one appointment to ensure you are meeting transfer requirements and/or degree requirements.

Counseling, B-129
831-755-6820



HARTNELL COLLEGE

*BASED ON HOLLAND CODES

Read about your Holland Code and majors available on the next page. →

FIND YOUR IDEAL MAJOR

Based on Holland Codes

REVIEW YOUR RESULTS

R Realistic

- Advanced Automotive Technology (C)
- Advanced Diesel Technology (C)
- Agriculture (Business/Production/Food Safety)
- Computer Science and Information Systems (I, C)
- Construction Management and Architecture (R)
- Kinesiology (Physical Education) (S)
- Welding Technology (I, S)

Realistic

These people are often good at mechanical or athletic jobs. They are assertive and competitive, often interested in activities requiring motor coordination, skill and strength. People with a realistic orientation usually prefer to work a problem through by doing something, rather than talking about it, or stilling and thinking about it. They like concrete approaches to problem solving, rather than abstract theory.

I Investigative

- Astronomy (C, R)
- Biology (R)
- Chemistry (C, R)
- Engineering (R, E)
- Computer Science (C, R)
- Economics (C)
- Geology (C, R)
- Mathematics (C, R)
- Physics (C)
- Public Health (E, C)
- Ag Plant Science (R)

Investigative

These people like to watch, learn, analyze and solve problems. They prefer to organize and understand information rather than to persuade or act. Investigative people often prefer individual rather than people oriented activities.

A Artistic

- Communication Studies (E, S)
- Digital Arts (E)
- English (I, C)
- Music (E)
- Photography (R)
- Theater Arts (R)
- Spanish (E, S)
- Film, Television and Electronic Media (E)

Artistic

These people like to work in unstructured situations where they can use their creativity. They are inventive, perceptive, sensitive, and independent. They like projects focused on ideas; involving people or physical skills, and are more likely to express their emotions than others. They enjoy thinking, organizing, and understanding artistic and cultural concepts.

S Social

- Administration of Justice (R, I)
- Alcohol and Drug Abuse Counseling (A, I)
- Communication Studies (I)
- Chicano Studies/ Ethnic Studies
- Early Childhood Education (A, E)
- Elementary Teacher Education (R, I)
- History (I, A)
- Liberal Arts
- Political Science (E, I)
- Psychology (I, A)
- Pre Nursing / Respiratory Care Practitioner (R, I)
- Sociology (I, A)
- Social Justice Studies (E)

Social

These people like to work with other people, rather than things. Social people tend to satisfy their needs in teaching or helping situations. They stand apart from realistic and investigative types because they are drawn more to seek close relationships with other people, and are less apt to want to be really physical

E Enterprising

- Agriculture Business (S, C)
- Business Administration (S, C)
- Economics (I, C)
- Political Science (S, I)
- Spanish (A, S)
- Law, Public Policy, and Society (S, A)

Enterprising

These people like to work with others and enjoy persuading and performing. Enterprising people are good talkers and use this skill to lead and persuade others. They value reputation, power, money and status. They enjoy working with people and data.

C Conventional

- Business Administration (E)
- Business Office Technology (E, S)
- Computer Science and Information Systems (I)

Conventional

These people are very detail oriented, organized and like to work with data. They like rules and regulations and emphasize self-control. They dislike unstructured or unclear work and interpersonal situations. They place value on reputation, power, and status.

Turn the page to find out which math is required for your major. →