**MATH PROGRESSION CHART**

**Non-STEM Majors**
- 105 / 105R
  - Elementary Algebra
  - (Equivalent to DESP LRSV 945)
- 106 / 106C
  - Intermediate Algebra
  - Equivalent to Algebra 2
- 104 / 104R
  - Geometry

**Business Majors**
- 12 / 12C
  - Applied Calculus
  - Optional Co-req
- 10 / 10H
  - Elementary Statistics
  - Optional Co-req

**STEM Majors**
- 1C
  - Pre-Calculus
  - Optional Co-req
- 1
  - Trigonometry
- 2
  - Pre-Calculus & Trig
- 3A
  - Calculus I
- 3B
  - Calculus II
- 4A
  - Intermediate Calculus
- 4B
  - Differential Equations
- 4C
  - Linear Algebra

**NOTES:**
1) Pre-transfer classes have no pre-req.
2) Math 104, 105, 106, 106R are AA/AS applicable.
3) Math 105 ONLY prepares students for Math 10 is not appropriate for Business majors.
4) Only take Math 104/104R if you did not pass two semesters of high school geometry.

**PLACEMENT NOTE:**
It is recommended that most students start with a transfer level course either with or without a co-requisite. Please see placement chart and counseling for guidance.

**CO-REQUISITE NOTE:**
Corequisites are additional academic and concurrent support recommended depending on the student’s background and needs. They are Pass/No Pass and not degree applicable.

**NOTES:**
1) Noncredit courses are offered at no cost to the student. The noncredit courses listed above cover all content in Math 901, 902P, and 903. There is no prerequisite to each noncredit math course.
2) Math 104, 105, 106, 106R are AA/AS applicable.
3) Math 105 ONLY prepares students for Math 10 is not appropriate for Business majors.
4) Only take Math 104/104R if you did not pass two semesters of high school geometry.

**STEM NOTES:**
1) Any course with an arrow extending to another course is a pre-requisite for that course.
2) It is recommended to take Math 1 and then Math 3A, in that order, to prepare for Math 3A.
3) Math 2 combines Math 1 & D and is a reasonable option for strong math students.
4) It is recommended that students take Math 3A before Math 19.
5) Since transfer requirements vary, psychology and kinesiology students are strongly recommended to see a Counselor.

**NON-STEM NOTES:**
1) Since transfer requirements vary between UC, CSU and majors, students are strongly recommended to see a Counselor.
2) Noncredit Math 10 support class available.

**BUSINESS NOTES:**
1) For Business majors, the Math Department recommends taking Math 12 then Math 10, in that order.
2) Since transfer requirements vary between UC, CSU and majors, students are strongly recommended to see a Counselor.

**STEM DISCIPLINES:**
- Science
- Technology
- Psychology
- Kinesiology
- Engineering
- Mathematics

*STEM – disciplines of science, technology, psychology, kinesiology, engineering, and mathematics.*
Not Sure Which English Composition Class to Take?

Start with the online self-placement tool at https://web.wvm.edu/placement-tool-wv/

A

ENGL 1A
(3 transferable units)
English Composition

OR

ENGL 1B
(3 transferable units)
Critical Thinking Through Literature

OR

ENGL 1C
(3 transferable units)
Critical Thinking and Writing

B

ENGL 1A
(3 transferable units)
English Composition

+ *ENGL 099X
(2 non-transferable units)
Supplemental English Composition

OR

ENGL 1B
(3 transferable units)
Critical Thinking Through Literature

OR

ENGL 1C
(3 transferable units)
Critical Thinking and Writing

C

ENGL 905X
(5 non-transferable units)
Accelerated English Fundamentals

OR

ENGL 1A
(3 transferable units)
English Composition

OR

ENGL 1B
(3 transferable units)
Critical Thinking Through Literature

OR

ENGL 1C
(3 transferable units)
Critical Thinking and Writing

D

ENGL 903

OR

LRPV 941B
(3 non-transferable units)

ENGL 905
(3 non-transferable units)
English Fundamentals

OR

LRPV 941C
(3 non-transferable units)

ENGL 1A
(3 transferable units)
English Composition

OR

ENGL 1B
(3 transferable units)
Critical Thinking Through Literature

OR

ENGL 1C
(3 transferable units)
Critical Thinking and Writing

It's recommended that students who plan to transfer start with English 1A, either with or without English 099X Supplemental English Composition (Sequence A or B above).

If you are unsure of which pathway to take or you answer YES to any of the questions below, make an appointment to see a counselor for placement guidance (408) 741-2009.

☑ Did you attend high school more than 10 years ago?
☑ Do you have AP, SAT, or CLEP scores?
☑ Do you have military experience? Call a veteran's counselor for an appointment (408) 741-2170.
☑ Did you take ESL/ELD classes?
☑ Did you have an IEP or 504 plan in High School or have a disability that impacts you academically? Call a DESP counselor for an appointment (408) 741-2010.

* Strongly recommended concurrent Support Class for students with a High School GPA below 1.9 and recommended for students with a High School GPA between 1.9 – 2.59.
Illegal Distribution of Copyrighted Materials

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Cooperative Work Experience Courses

Cooperative work experience courses include general work experience courses and occupational work experience courses. General work experience education is supervised employment intended to assist students in acquiring desirable work habits, attitudes, and career awareness. The work experience does not need to be related to the student’s specific educational goals. In contrast, occupational work experience education is supervised employment where on-the-job learning relates to the student’s specific educational or occupational goals. Student must not exceed the limit of 16 semester units of general and occupational work experience combined.

Occupational Work Experiences Courses:
- ADMJ 043
- CTRP 044
- ELED 020A
- FDAT 084
- HTCH 054A
- INTD 090A
- INTD 090B
- INTD 090C
- INTD 090D
- PARA 029B
- PMGT 020B
- WRKX 303

Cooperative work experience courses are not designated as repeatable. However, students may petition to repeat occupational work experience courses to the Office of Admissions and Records. The Office of Admissions and Records may grant the request if the following conditions are met:
- the student has not exceeded the limit of 16 semester units of general and occupational work experience combined,
- the district only offers one course in a given occupational work experience field,
- the one course offered is not offered as a variable unit open-entry/open-exit course,
- the student does not exceed the maximum of eight units earned in one enrollment period in occupational work experience education.

General Work Experience Course:
- WRKX 302G

In addition to not exceeding the limit of 16 semester units of general and occupational work experience combined, a maximum of six units may be earned during one enrollment period in general work experience education. Students are not allowed to repeat general work experience courses. However, if the student received a substandard grade in a general work experience course, the student may be permitted to enroll again in the same course to alleviate that grade.
Course Repetitions

It is the intention of the Governing Board that students shall have reasonable opportunity to repeat courses when such repetition furthers achievement of the student’s educational objectives and is in accordance with the provisions of the California Education Code. It is not, however, the intent of the Governing Board to allow students to repeat courses that have been successfully completed with a grade of A, B, C or F. Course repetition is permitted for substandard work, extenuating circumstances and/or significant lapse of time as described below.

The courses listed below are repeatable under Title 5 regulations as follows: Title 5 of the California Code of Education Section 555041. Repeatable Courses.

(a) Districts may only designate the following types of courses as repeatable:

(1) Courses for which repetition is necessary to meet the major requirements of CSU or UC for completion of a bachelor’s degree. The governing board of a district must retain supporting documentation that verifies that the repetition is necessary to meet the major requirements of CSU or UC for completion of a bachelor’s degree. The supporting documentation must be retained by the district as a Class 3 record basic to audit as required by section 59020 et seq.;

(2) Intercollegiate athletics, as defined in section 55000 Courses for which repetition is necessary to meet the major requirements of CSU or UC for completion of a Bachelor’s Degree:

MUSC 039A Applied Music: Brass
MUSC 039B Applied Music: Woodwind
MUSC 039C Applied Music: Strings
MUSC 039D Applied Music: Percussion
MUSC 039E Applied Music: Piano
MUSC 039F Applied Music: Guitar
MUSC 039G Applied Music: Voice
MUSC 039H Applied Music: Composition
MUSC 040 Chamber Singers
MUSC 042 Concert Choir
MUSC 048 Symphony Orchestra
MUSC 051 Jazz Band
MUSC 056 Percussion Ensemble
MUSC 061 Jazz Singers
Intercollegiate Athletics Courses:
KINA 9.01 Intercollegiate Baseball-Men
KINA 9.02 Intercollegiate Basketball-Men
KINA 9.03 Intercollegiate Men’s Basketball-Post-Season Fundamentals
KINA 9.04 Intercollegiate Tennis-Women
KINA 9.07 Intercollegiate Soccer-Men
KINA 9.08 Intercollegiate Soccer-Women
KINA 9.09 Intercollegiate Softball-Women
KINA 9.10 Intercollegiate Swimming-Men
KINA 9.11 Intercollegiate Swimming-Women
KINA 9.16 Intercollegiate Beach Volleyball-Women
KINA 9.17 Intercollegiate Volleyball-Women
KINA 9.18 Intercollegiate Water Polo-Men
KINA 9.20 Women’s Intercollegiate Water Polo
KINA 9.30 Intercollegiate Pre-Season Conditioning
KINA 9.31 Athletic Tennis-Skills and Techniques
KINA 9.41 Athletic Baseball - Skills and Techniques
KINA 9.42 Athletic Basketball - Skills and Techniques
KINA 9.47 Athletic Men’s Soccer - Skills and Techniques
KINA 9.48 Athletic Women’s Soccer - Skills and Techniques
KINA 9.49 Athletic Softball-Skills and Techniques
KINA 9.55 Athletic Men’s Water Polo - Skills and Techniques
KINA 9.56 Athletic Women’s Water Polo - Skills and Techniques
KINA 9.60 Post Season Conditioning

Substandard Work

A student may repeat any course in which a substandard final grade (D, F or NP) was earned, or for which the student withdrew (W). If the course is offered at both colleges within the district, the student may repeat the course at either college. A course may be repeated only TWICE under this policy. If a student does not pass the same course twice (with an A, B, C, or P), he or she must submit an Academic Appeals petition in order to register for that class again. The student’s permanent academic record shall contain all work attempted and depict a legible, true and complete academic history. In course repetition for substandard work the grade earned in the last enrollment shall be exclusively in determining the units attempted, completed and grade points earned.

However, the original substandard grade will remain on official records, though annotated as a repeated course. No assurance can be provided that the repeated courses will be treated in this manner by other institutions.

Extenuating Circumstances (for successfully completed courses)

Students who have successfully completed a course but wish to repeat it, must submit a petition to the Academic Appeals Committee and provide substantial evidence of extenuating circumstances (i.e. verified case of accident, illness or other emergency situations) for granting such a repetition. Grades awarded for courses approved for such repetition shall not be included in calculating a student’s grade point average.

Course Families

There are groupings of courses with similar content called “families” in the PE, Art, Theatre, and Music disciplines. West Valley and Mission College’s family of courses are linked and students may only take 4 courses within a family whether the course is offered at West Valley or Mission College. Refer to the table in the online schedule, campus catalog or consult with a counselor to review the full list of “family” courses.

Career Programs

Degrees and Certificates

Career programs are developed by the College in close cooperation with advisory committees composed of representatives from business, industry and the College. These advisory committees review course content to make certain that the instruction and curriculum provide current skills, and recommendations are made to update the curriculum. In this manner, students in these programs receive the most current information and skills to prepare them for employment in their chosen field. West Valley College offers programs leading to an Associate of Science Degree or Associate of Arts Degree and programs leading to a Certificate of Achievement. Frequently a student’s educational goal will change. The College recognizes the mobility within our society and the necessity of changing education needs and goals. Certificate programs require completion of a series of career-oriented courses. Typically, students who seek certificates wish to complete a career program as quickly as possible to obtain employment. Many students complete the requirements for the certificate, attain employment, and return to West Valley College to complete the additional general education requirements for an Associate of Science degree. All degree and certificate programs require a “C” grade or better in all major required courses.

Certificate Recognition at Graduation

Students earning a certificate approved by the California Community College State Chancellors Office will be included in the graduation ceremony.

Note: State approved Degrees and Certificates will appear on the student’s official transcript.

Career Programs Advisory Boards

Administration of Justice Advisory Board
Sergeant Ed Flosi, Retired, San Jose Police Department
Stacy Hopkins, Esq., Instructor, Paralegal Department at West Valley College
Chief Chris Holen, West Valley/Mission District Police Department
Lt. Clint Tada, Los Gatos/Monte Sereno Police Department
Sergeant John Thornburg, Monterey County Sheriff’s Department
Assistant Sheriff Rick Sung, Santa Clara County Sheriff’s Office
Matt Van Dyke, Supervisory Special Agent, U.S Department of Homeland
Assistant Chief Knox, San Jose Police Department

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Mae Conroy, Acting Dean, Student Services
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Michelle Francis, Coordinator, WW Professional Development
Jackie Funk, Little Tree Montessori Int’l.
Ann Horgan, Director, Child Development Centers
Leslie Hotta, Chair, Child Studies and Elementary Education departments
Gizzelle Linaya, Moreland School District
Jennifer Merriam, Creative Minds CDC
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Lucille Satana, One World Montessori
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Lou De La Rosa, Chair of Department of Music & Dance at West Valley College
Blair Hardman, Owner/Producer/Engineer Of Zone Recording Studios
Keith Seppanen, Director of Recording Arts @ CSU Chico (Retired)
Trevor Wylie, Audio/Visual Tech @ Levi Stadium

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Jeff Cobb, CSR, DIT Global
Anna Fatima Costa, CSR
Marllynn Flippin, Captioner, San Jose State University
Irene Fontana, CSR, Official and Deposition Reporter, Captioner
Karen Franco, Captioner, DeAnza College, Levi Stadium
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Amy Gooding, CSR, Official Reporter, Santa Clara County Superior Court
Kelly McCarthy, CSR, Official Court Reporter, Santa Clara County Superior Court

Creating Music Advisory Board
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Blair Hardman, Owner/Producer/Engineer Of Zone Recording Studios
Lou De La Rosa, Chair of Department of Music and Dance at West Valley College

Dance Specialist Program Advisory Board
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Kyleigh Carlson, former Professor of Dance at CSU Humboldt; Company Dancer with sjDANCEeco

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Lu Li
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Bob Struk

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Joyita Ghose, POSHAQ
Rubab Huq, Kopolo California
Denise Kaatz, Specialized Bicycle
Joyita Ghose, POSHAQ
Joseph Domingo, Joseph Domingo Studio

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David Clymer, El Camino Hospital
Gail Depina, Kaiser Hospital
Nicole Faria, Kaiser Santa Clara
Zohreh Feyzi, Principle, eMedical Billing Management
Sanaz Hariri, M.D.
CROSSWALK OF SUBJECT CODES

Note: the subject codes for some courses have changed due to a change in data management systems (ex: BUS 078 to BUSN 078). This list is a complete crosswalk of old to new subject codes. Courses with new subject codes are considered equivalent to courses with old subject codes for the purpose of degree/ certificate completion.

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<th>Old Subject Code</th>
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Career Programs Advisory Boards

Pilates Instructor Advisory Board
Michele Mandell, Jewish Community Centers
Len Moullis, Club Pilates Morgan Hill
Vera Szepesi, Esprit de Core Pilates Studio
Elain Hayes, MNT Studio
Pre-Collegiate Courses

Pre-collegiate courses are courses below transfer level.

Basic skills courses cover those foundation skills in reading, writing, mathematics, and English as a Second Language, as well as learning skills and study skills, which are necessary for students to succeed in college-level work.

A support course is an optional course that is associated with a degree-applicable course: It provides students with additional support so that they are more likely to successfully complete the associated course. A preparatory course to a target course is an optional course that provides students with an overview of the prerequisite skills with the goal of increasing the chances the student succeeds in that target course. Whereas a preparatory course should be completed before starting its target course, a support course and its associated degree-applicable course are to be taken simultaneously.

For tutoring courses, students are assigned to tutoring by a counselor or an instructor on the basis of an identified learning need.

A degree-applicable credit course is a course which has been designated as appropriate to the associate degree. The degree-applicable courses in the table are included in the general education/breadth requirements for A.A./A.S. degrees. *MATH 104, 105, 106, and 106R in the table are degree-applicable courses.

The State Legislature has imposed a restriction whereby students may enroll in a total of no more than 30 units of basic skills courses per Title 5, Section 55756(b). However, units earned in courses offered through the DESP (for students with a disability) or English as a Second Language Department are exempt from this limitation. In addition, all basic skills units in which a student is enrolled during a semester are exempt if the student is also enrolled in any disabled and/or English as a Second Language class.

Basic skills courses may not be used to satisfy requirements for an Associate Degree.

For further information, contact Counseling Services.

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<th>Course</th>
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