### DRYWALL-LATHING

**DRLT 200  Introduction to the Trade**  
Units: 2.0  
Hours: 36.0 Lecture  
Transferable: No  
This course is an introduction to drywall/lathing apprenticeship, state and federal apprenticeship laws, apprenticeship record keeping, apprentice evaluation procedures, general safety, work ethic, sexual harassment issues, and basic tools of the trade.

**DRLT 202  Basic Applications**  
Units: 1.5  
Hours: 21.0 Lecture and 18.0 Laboratory  
Transferable: No  
This course is an introduction to basic gypsum wall covering and ceiling applications. Topics include knot recognition and application to rigging on construction job-sites.

**DRLT 205  Mathematics for Drywall / Lathing**  
Units: 2.0  
Hours: 36.0 Lecture  
Transferable: No  
This course covers mathematics applications to drywall and lathing trades with specific focus on mathematical processes related to construction. Basic topics include whole numbers, fractions, decimal fractions, ratios, proportions, percentages, areas and volumes. This course has the option of a letter grade or pass/no pass.

**DRLT 210  Residential Metal Framing**  
Units: 1.5  
Hours: 21.0 Lecture and 18.0 Laboratory  
Transferable: No  
This course covers basic residential metal framing. It includes framing of floors, walls, doors, windows, roofs, trusses and stairs. This course has the option of a letter grade or pass/no pass.

**DRLT 212  Doors, Windows, Exterior Systems / Building Documents**  
Units: 1.5  
Hours: 21.0 Lecture and 18.0 Laboratory  
Transferable: No  
This course covers doors, windows, door and window framing, and exterior wall covering systems. Topics include an introduction to blueprints and building codes. This course has the option of a letter grade or pass/no pass.

**DRLT 220  Blueprint Reading I**  
Units: 1.5  
Hours: 21.0 Lecture and 18.0 Laboratory  
Transferable: No  
This course covers job specifications, blueprint structure and basic blueprint reading and interpretation. Topics include an introduction to construction drawings and sketching. This course has the option of a letter grade or pass/no pass.

**DRLT 221  Blueprint Reading II**  
Units: 1.5  
Hours: 21.0 Lecture and 18.0 Laboratory  
Transferable: No  
This course is a continuation of Blueprint Reading I (DRLT 200). Topics include interpretation, problem solving, correlating specifications, prints, addenda, notes, sections and mathematics used with blueprints. This course has the option of a letter grade or pass/no pass.

**DRLT 222  Blueprint Reading III**  
Units: 1.5  
Hours: 21.0 Lecture and 18.0 Laboratory  
Transferable: No  
This course is a continuation of Blueprint Reading II (DRLT 221). Topics include take-offs, material estimates, material requisition, job costs and layout from blueprints. This course has the option of a letter grade or pass/no pass.

**DRLT 230  Welding I**  
Units: 1.5  
Hours: 21.0 Lecture and 18.0 Laboratory  
Transferable: No  
This course covers welding and welding concepts for construction job sites. Topics include welding safety, basic welding terms, definitions, positions, and cutting operations. This course has the option of a letter grade or pass/no pass.

**DRLT 231  Welding II**  
Units: 1.5  
Hours: 21.0 Lecture and 18.0 Laboratory  
Transferable: No  
This course is a continuation of Welding I (DRLT 230). Topics include welding safety, concepts, process, symbols, and certification performance. This course has the option of a letter grade or pass/no pass.

**DRLT 240  Exterior / Advanced Fire Control System and Partitions**  
Units: 1.5  
Hours: 21.0 Lecture and 18.0 Laboratory  
Transferable: No  
This course covers safety, principles, theory, and application of advanced fire control systems. Topics include principles and applications of partitions and metal framing. This course has the option of a letter grade or pass/no pass.

**DRLT 242  Exterior Systems and Trims**  
Units: 1.5  
Hours: 21.0 Lecture and 18.0 Laboratory  
Transferable: No  
This course covers safety, principles, and application of exterior wall framing, coverings, and trims. This course has the option of a letter grade or pass/no pass.

**DRLT 250  Interior Metal Lathing System and Sound Control**  
Units: 1.5  
Hours: 21.0 Lecture and 18.0 Laboratory  
Transferable: No  
This course covers materials, principles, theory, and application of plaster interior hollow walls and partitions. Topics include principles, and application of sound control systems and an introduction to mathematics and layout for building arches. This course has the option of a letter grade or pass/no pass.

**DRLT 260  Ceilings, Shaft Protection and Demountable Partitions**  
Units: 1.5  
Hours: 21.0 Lecture and 18.0 Laboratory  
Transferable: No  
This course covers safety, materials, principles, theory, and installation of ceiling systems, demountable partitions, and shaft systems. This course has the option of a letter grade or pass/no pass.

**DRLT 262  Arches, Furring and Advanced Systems**  
Units: 1.5  
Hours: 21.0 Lecture and 18.0 Laboratory  
Transferable: No  
This course covers safety, materials, principles, theory, and installation of furring, arch systems, and fire retardant materials. This course has the option of a letter grade or pass/no pass.
DRLT 270  Advanced Construction Techniques
Units: 4.5  Hours: 21.0 Lecture and 18.0 Laboratory
Transferable: No
This course covers safety, materials, principles and theory of advanced construction techniques. Topics include following written and verbal directions, construction directly from blueprints, and research techniques. This course has the option of a letter grade or pass/no pass.

DRLT 290  Occupational Work Experience / Drywall-Lathing
Units: 1.0 TO 4.0  Hours: 5.0 TO 20.0 Laboratory
Transferable: No
Occupational work experience for students who have a job related to their major. A training plan is developed cooperatively between the employer, college and student. (P/NP grading) 75 hours per semester paid work = 1 unit. 60 hours non-paid (volunteer) work per semester = 1 unit. May be taken for a maximum total of 16 units. Minimum 2.00 GPA. REQUIRED: Declared vocational major.

ECON 14  Personal Finance
Units: 3.0  Hours: 3.0 Lecture
Transferable: CSU
This course is designed to assist individuals to analyze their financial affairs for lifelong decision making. Elements and concepts of financial planning and decision making in the areas of budgeting, taxes, borrowing, money management, insurance, investments, retirement, and estate planning will be examined. This course is also listed as BUS 14. This course has the option of a letter grade or pass/no pass. ADVISORY: Math 400.

Students interested in education are encouraged to look at the detailed program information available online at www.gavilan.edu.

ECOLOGY
ECOL 1  Conservation of Natural Resources
Units: 4.0  Hours: 3.0 Lecture and 3.0 Laboratory
Transferable: CSU, UC; CSU-GE:B2, B3, IGETC:5B, 5C; GAV-GE:B2, B3
This course examines the fundamentals of ecology (the study of the relationships between organisms and their environment) with special emphasis on human effects on the environment. Topics of discussion will include ecosystem dynamics, resources, pollution, population growth, and the clash between economic and political policy and the environment. ADVISORY: Eligible for English 250 and English 260.

ECONOMICS
ECON 1  Principles of Macroeconomics
Units: 3.0  Hours: 3.0 Lecture
Transferable: CSU, UC; CSU-GE:D2, IGETC:4B; GAV-GE:D2, CAN:ECON2
Introduction to the principles of macroeconomic analysis, economic institutions, and economic policy; supply and demand, determinants and distribution of output, income, and welfare through the market system; international trade and globalization. Measurement, determinants of, and policies relating to long-run economic growth, business cycle fluctuations, unemployment, and inflation. This course has the option of a letter grade or pass/no pass. PREREQUISITE: MATH 430 or MATH 205

ECON 2  Principles of Microeconomics
Units: 3.0  Hours: 3.0 Lecture
Transferable: CSU, UC; CSU-GE:D2, IGETC:4B; GAV-GE:D2; CAN:ECON4
Introduction to microeconomic principles, theory, and analysis. Topics include scarcity and resource allocation, specialization and exchange, and the determinants and distribution of output, income, and welfare through the market system, as well as elasticity, production and cost theory, and market failure caused by externalities and asymmetric information. Includes consumer choice and utility maximization, as well as profit maximization in various competitive settings. This course has the option of a letter grade or pass/no pass. PREREQUISITE: MATH 430 or MATH 205

ECON 11  Statistics for Business and Economics
Units: 4.0  Hours: 4.0 Lecture
Transferable: CSU, UC; CSU-GE:B4, IGETC:2A; GAV-GE:B4
Statistical methods for business/economics analysis; descriptive statistics, inference, correlation and regression, probability, time series analysis. This course has the option of a letter grade or pass/no pass. This course is also listed as BUS 11. PREREQUISITE: Mathematics 233.