

TOYOTA TECHNICAL EDUCATION NETWORK

TTEN-110 Shop Fundamentals and Safety 1 cr.

This course will orient the student to shop operations, use of service manuals, pay structures, tools, warranties, and customer relations. Shop safety will be strongly emphasized as well as employee/employer relations. Corequisite: TTEN 120. Semester offered: Fall.

TTEN-120 Electrical and Ignition System 7 cr.

A study of the electrical and electronic systems found in the automotive field. Emphasis is on basic circuitry, starting systems, charging systems, ignition systems, diagnosis and servicing the electrical components on current Toyota vehicles. Corequisite: TTEN 110. Semester offered: Fall.

TTEN-130 Fuel and Emission Systems 4 cr.

A study of the fuel and emission control systems used on current Toyota vehicles. Students will learn to use the exhaust gas analyzer, oscilloscope, and other special test equipment. Prerequisites: TTEN 120, TTEN 280. Corequisite: TTEN 140. Semester offered: Spring.

TTEN-140 Drivability 4 cr.

A systematic troubleshooting method for Toyota fuel, electrical, and electronic systems. Use of tools and equipment needed for proper diagnosis emphasized. Prerequisite: TTEN 280. Corequisite: TTEN 130. Semester offered: Spring.

TTEN-145 ASE Tests 1 cr.

Sign up for a minimum of two ASE exams and pass one. Semester offered: Spring.

TTEN-146 ASE Tests 1 cr.

Take and pass remaining ASE exams. Students are required to pass a minimum of four ASE exams in order to receive credit and graduate. Any tests passed in TTEN 145 are counted as part of the requirement. Prerequisite: TTEN 145. Semester offered: Spring.

TTEN-150 Engines and Related Systems 4 cr.

This course covers the principles and operation of the internal combustion engine. Toyota internal combustion engines will be properly disassembled with nomenclature identification. All parts will be inspected, measured, and reassembled. Troubleshooting and diagnostic procedures will be emphasized on all systems. Prerequisite: TTEN 281. Corequisite: TTEN 160. Semester offered: Summer.

TTEN-160 Heating and Air Conditioning 2 cr.

A theory and shop course to teach the student automotive air conditioning and heating systems as they apply to current model Toyotas. The use of test equipment will be emphasized and the student will learn to diagnose, evacuate, recover refrigerant and recharge air conditioning systems. Corequisite: TTEN 150, TTEN 281. Semester offered: Summer.

TTEN-170 Power Trains 8 cr.

The theory and practical application of Toyota power trains and differential

service will be taught. Diagnosis, troubleshooting and actual repair procedures will be performed in the shop. Prerequisite: TTEN 160, TTEN 282. Semester offered: Fall.

TTEN-180 Brake Systems 4 cr.

A study of the theory and diagnostic repair procedures of Toyota disc and drum brake systems will be taught. Instruction will be given on brake machining equipment, hydraulic systems and component replacement on traditional and anti-lock brake systems. Prerequisite: TTEN 170, TTEN 283. Corequisite: TTEN 190. Semester offered: Spring.

TTEN-190 Steering and Suspension 4 cr.

A theory and shop course to introduce the student to Toyota steering geometry, front and rear suspension service, wheel alignment, and wheel balancing. Lab work will include instruction on the latest model vehicles steering and suspension systems. Prerequisite TTEN 283. Corequisite: TTEN 180. Semester offered: Spring.

TTEN-280 Toyota Cooperative Work Education 4 cr.

The student will be employed at an approved automotive repair facility which will provide relevant learning experiences that are directly related to the student's most recent classroom/laboratory experiences. Daily log and weekly reports MUST be submitted once per week. The student will be supervised and evaluated jointly by his/her employer and San Juan College personnel. Prerequisite: TTEN 120.

TTEN-281 Toyota Cooperative Work Education 4 cr.

The student will be employed at an approved automotive repair facility which will provide relevant learning experiences that are directly related to the student's most recent classroom/laboratory experiences. Daily logs and weekly reports MUST be submitted once per week. The student will be supervised and evaluated jointly by his/her employer and San Juan College personnel. Prerequisite: TTEN 140.

TTEN-282 Toyota Cooperative Work Education 4 cr.

The student will be employed at an approved automotive repair facility which will provide relevant learning experiences that are directly related to the student's most recent classroom/laboratory experiences. Daily logs and weekly reports MUST be submitted once per week. The student will be supervised and evaluated jointly by his/her employer and San Juan College personnel. Prerequisite: TTEN 160.

TTEN-283 Toyota Cooperative Work Education 4 cr.

The student will be employed at an approved automotive repair facility which will provide relevant learning experiences that are directly related to the student's most recent classroom/laboratory experiences. Daily logs and weekly reports MUST be submitted once per week. The student will be supervised and evaluated jointly by his/her employer and San Juan College personnel. Prerequisite: TTEN 170.

TRIBAL GOVERNANCE

TGOV-120 History of Tribal Gov and Structure 3 cr.

Presents the history of the tribal government from its beginning to its present state. Addressed are the structural system, political concepts, cultural issues, and catalytic dynamics of the tribal government. Semester offered: Fall.

TGOV-130 Tribal Organizational Behavior 3 cr.
The study of individual and group behavior in a tribal organizational setting; comparison of Western theories and concepts of organizational behavior to the tribal cultural teachings of behavior. Semester offered: Summer.

TGOV-150 Ethics in Tribal Government 3 cr.
An introduction to the rudiments of ethical responsibility of leaders and the workforce of a tribal organization, and the effects of this ethical responsibility to the tribal community and its citizenry. Semester Offered: Summer.

TGOV-180 Tribal Resource Management 3 cr.
The resources of a tribal nation including tribal land and environment issues that cover comprehensive community planning, livestock grazing areas, economic development, royalties, taxes, water rights, energy and power, and the laws pertaining to these issues. Semester offered: Fall.

TGOV-210 Tribal Sociology 3 cr.
Emphasizes the study of the social dynamics of the citizenry residing on the reservation and the ways of life they create to adapt and cope with the environmental, political, social, and economic statuses and changes. Semester offered: Fall.

TGOV-220 Tribal Administrative Law 3 cr.
The study of tribal codes and how they are developed, approved, and implemented into the tribal governmental system. The application of laws to its citizenry, in terms of sovereignty. Semester offered: Fall.

TGOV-240 Management and Leadership in Tribal Government 3 cr.
A study of the theories and styles of leadership, compared to the cultural theories and cultural styles of leadership of tribal leaders. Semester offered: Spring.

TGOV-250 Tribal Program Monitoring and Evaluation 3 cr.
The study of monitoring the effectiveness and efficiency of programs implemented by tribal divisions and departments. Semester offered: Spring.

VETERINARY TECHNOLOGY

VETT-110 Medical Terminology 1 cr.
Entry-level course designed to provide the student with a foundation in the language of veterinary medicine, focusing on prefixes, suffixes, word roots and their combining forms.

VETT-111 Veterinary Nursing Care I 2 cr.
Entry-level course designed to introduce students to basic nursing skills utilized by veterinary technicians and to act as a foundation of learning for subsequent nursing techniques courses.

VETT-112 Veterinary Business Procedures 2 cr.
Entry-level course designed to give the student the basic skills necessary to function as a receptionist in a veterinary practice.

VETT-113 Small Animal Disease I 2 cr.
Entry-level course designed to develop the basic knowledge of mammalian

diseases and disease processes that may be encountered by a veterinary technician.

VETT-114 Pharmacology and Med Therapy 2 cr.
Entry-level course in the basic classification and properties of the common pharmaceuticals used in veterinary medicine.

VETT-115 Veterinary Anesthesia and Surgical Assisting I 2 cr.
Entry-level course designed to help develop a strong foundation in anesthetic skills, surgical assisting skills, and perioperative procedures.

VETT-116 Veterinary Diagnostic Imaging I 2 cr.
Entry-level course designed to develop the student's knowledge and basic skills in veterinary diagnostic imaging.

VETT-117 Veterinary Clinical Pathology I 2 cr.
Entry-level course designed to develop the student's knowledge and skills in basic laboratory and diagnostic procedures.

VETT-130 Veterinary Nursing Care II 2 cr.
Intermediate course in nursing care techniques including bandages and casts, administration of medications, and sample collections.

VETT-131 Veterinary Business Procedures II 2 cr.
Intermediate course in receptionist skills, animal behavior basics, utilization of computers in veterinary practice, veterinary business management, and grief counseling.

VETT-132 Small Animal Disease and Medical Care II 2 cr.
Intermediate course in the study of selected small animal diseases and conditions, and the anatomical and physiological basis of the diseases that are being presented.

VETT-133 Pharmaceutical and Medical Therapeutics II 2 cr.
Intermediate course in the cardiovascular, respiratory, and integumentary systems, the pharmaceuticals that affect those systems, and pharmacological calculations.

VETT-134 Veterinary Anesthesia and Surgical Assisting II 2 cr.
Intermediate course in the pre-anesthetic evaluation of patients, the induction of anesthesia, and the monitoring of anesthetized and post-anesthetic patients.

VETT-135 Veterinary Diagnostic Imaging II 2 cr.
Intermediate course in radiographic safety techniques, developing radiographs, the proper use of contrast media, specialized radiographic procedures, and an introduction to veterinary diagnostic ultrasound.

VETT-136 Veterinary Clinical Pathology II 2 cr.
Intermediate course in parasitology and advanced cytological and hematological procedures.

VETT-210 Veterinary Nursing Care III 2 cr.
Advanced course in the topics of dentistry, and nursing care of small animal patients afflicted by disorders of specific body systems.