
CAREER AND TECHNOLOGY STUDIES

A. PROGRAM RATIONALE AND PHILOSOPHY

Through Career and Technology Studies (CTS), secondary education in Alberta is responding to the many challenges of modern society, helping young people develop daily living skills and nurturing a flexible, well-qualified work force.

In Canada's information society, characterized by rapid change in the social and economic environment, students must be confident in their ability to respond to change and successfully meet the challenges they face in their own personal and work lives. In particular, they make decisions about what they will do when they finish high school. Many students will enter the work force, others will continue their education. All students face the challenges of growing independence and responsibility, and of entering post-secondary programs and/or the highly competitive workplace.

Secondary schools also face challenges. They must deliver, on a consistent basis, high quality, cost-effective programs that students, parents and the community find credible and relevant.

CTS helps schools and students meet these challenges. Schools can respond more efficiently and effectively to student and community needs and expectations by taking advantage of the opportunities in the CTS curriculum to design courses and access school, community and distance learning resources. Students can develop the confidence they need as they move into adult roles by assuming increased responsibility for their

learning; cultivating their individual talents, interests and abilities; and by defining and acting on their goals.

As an important component of education in Alberta secondary schools, CTS promotes student achievement by setting clear expectations and recognizing student success. Students in CTS develop competencies—the knowledge, skills and attitudes they are expected to demonstrate, that is, what they know and what they are able to do.

Acquired competencies can be applied now and in the future as students make a smooth transition into adult roles in the family, community, workplace and/or further education. To facilitate this transition, clearly stated expectations and standards have been defined in cooperation with teachers, business and industry representatives and post-secondary educators.

CTS offers all students important learning opportunities. Regardless of the particular area of study chosen, *students in CTS will:*

- develop skills that can be applied in their daily lives, now and in the future
- refine career-planning skills
- develop technology-related skills
- enhance employability skills
- apply and reinforce learnings developed in other subject areas.

In CTS, students build skills they can apply in their everyday lives. For example, in the CTS program, particularly at the introductory levels, students have the opportunity to improve their ability to make sound consumer decisions and to appreciate environmental and safety precautions.



A career encompasses more than activities just related to a person's job or occupation; it involves one's personal life in both local and global contexts; e.g., as a family member, a friend, a community volunteer, a citizen of the world.

The integration of careers throughout the CTS program helps students to make effective career decisions and to target their efforts. CTS students will have the opportunity to expand their knowledge about careers, occupations and job opportunities, as well as the education and/or training requirements involved. Also, students come to recognize the need for lifelong learning.

Students in CTS have the opportunity to use and apply technology and systems effectively and efficiently. This involves:

- a decision regarding which processes and procedures best suit the task at hand
- the appropriate selection and skilled use of the tools and/or resources available
- an assessment of and management of the impact the use of the technology may have on themselves, on others and on the environment.



Integrated throughout CTS are employability skills, those basic competencies that help students develop their personal management and social skills. Personal management skills are improved as students take increased responsibility for their learning, design innovative solutions to problems and challenges, and manage resources effectively and efficiently. Social skills improve through learning experiences that require students to work effectively with others, demonstrate teamwork and leadership, and maintain high standards in safety and accountability.

As well as honing employability skills, CTS reinforces and enhances learnings developed in core and other optional courses. The curriculum emphasizes, as appropriate, the effective application of communication and numeracy skills.

In addition to the common outcomes described above, students focusing on a particular area of study will develop career-specific competencies that support entry into the workplace and/or related post-secondary programs. Career-specific competencies can involve understanding and applying appropriate terminology, processes and technologies related to a specific career, occupation or job.

PROGRAM OUTCOMES

The program outcomes describe the basic competencies integrated throughout the CTS program.

Within an applied context relevant to personal goals, aptitudes and abilities; *the student* in CTS will:

- demonstrate the basic knowledge, skills and attitudes necessary for achievement and fulfillment in personal life
- develop an action plan that relates personal interests, abilities and aptitudes to career opportunities and requirements
- use technology effectively to link and apply appropriate tools, management and processes to produce a desired outcome
- develop basic competencies (employability skills), by:
 - selecting relevant, goal-related activities, ranking them in order of importance, allocating necessary time, and preparing and following schedules (managing learning)
 - linking theory and practice, using resources, tools, technology and processes responsibly and efficiently (managing resources)
 - applying effective and innovative decision-making and problem-solving strategies in the design, production, marketing and consumption of goods and services (problem solving and innovation)
 - demonstrating appropriate written and verbal skills, such as composition, summarization and presentation (communicating effectively)
 - participating as a team member by working cooperatively with others and contributing to the group with ideas, suggestions and effort (working with others)

- maintaining high standards of ethics, diligence, attendance and punctuality, following safe procedures consistently, and recognizing and eliminating potential hazards (demonstrating responsibility).

PROGRAM ORGANIZATION

CURRICULUM STRUCTURE

Career and Technology Studies is organized into **strands** and **courses**.

Strands in CTS define competencies that help students:

- build daily living skills
- investigate career options
- use technology (managing, processes, tools) effectively and efficiently
- prepare for entry into the workplace and/or related post-secondary programs.

In general, strands relate to selected industry sectors offering positive occupational opportunities for students. Some occupational opportunities require further education after high school, and some allow direct entry into the workplace. Industry sectors encompass goods-producing industries, such as agriculture, manufacturing and construction; and service-producing industries, such as business, health, finance and insurance.

Courses are the building blocks for each strand. They define what a student is expected to know and be able to do (exit-level *competencies*). Courses also specify prerequisites. Recommendations for course parameters, such as instructional qualifications, facilities and equipment can be found in the guides to implementation.

The competencies a student must demonstrate to achieve success in a course are defined through *general outcomes*. Senior high school students who can demonstrate the general outcomes defined for a CTS course; i.e., who have the designated competencies, will qualify for 1 credit toward their high school diploma.

Specific outcomes provide a more detailed framework for instruction. Within the context of the general outcomes, the specific outcomes further define the knowledge, skills and attitudes the student should acquire.

The following chart shows the 22 strands that comprise the CTS program and the number of 1-credit courses available in each strand.

Strand	No. of Courses
1. Agriculture	33
2. Career Transitions	30
3. Communication Technology	33
4. Community Health	31
5. Construction Technologies	46
6. Cosmetology Studies	58
7. Design Studies	31
8. Electro-Technologies	47
9. Energy and Mines	26
10. Enterprise and Innovation	8
11. Fabrication Studies	44
12. Fashion Studies	29
13. Financial Management	16
14. Foods	37
15. Forestry	21
16. Information Processing	53
17. Legal Studies	13
18. Logistics	12
19. Management and Marketing	23
20. Mechanics	54
21. Tourism Studies	24
22. Wildlife	17

LEVELS OF ACHIEVEMENT

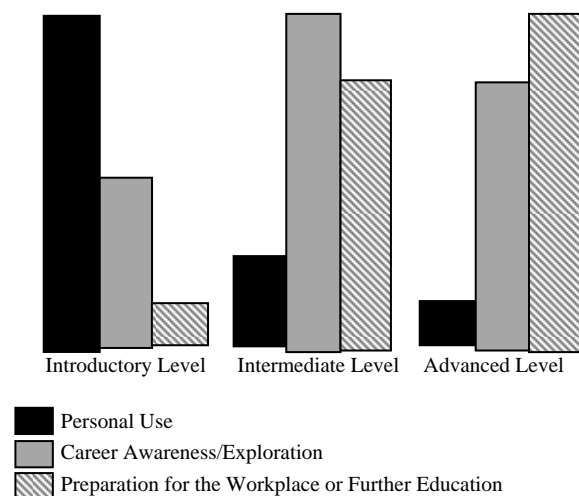
Courses are organized into three levels of achievement: **introductory**, **intermediate** and **advanced**. As students progress through the levels, they will be expected to meet higher standards and demonstrate an increased degree of competence, in both the program outcomes and the general outcomes defined for individual courses.

Introductory level courses help students build daily living skills and form the basis for further learning. Introductory courses are for students who have no previous experience in the strand.

Intermediate level courses build on the competencies developed at the introductory level. They provide a broader perspective, helping students recognize the wide range of related career opportunities available within the strand.

Advanced level courses refine expertise and help prepare students for entry into the workplace or a related post-secondary program.

The graph below illustrates the relative emphasis on the aspects of career planning at each of the levels.



CURRICULUM AND ASSESSMENT STANDARDS

Curriculum standards in CTS define what students must know and be able to do. Curriculum standards are expressed through the program outcomes for CTS, and through general and specific outcomes defined for individual courses within each strand.

Assessment standards define how student performance is to be judged. In CTS, each assessment standard defines the conditions and criteria to be used for assessing the competencies associated with each general outcome. To receive credit for a course, students must demonstrate competency at the level specified by the conditions and criteria defined for each general outcome.

Students throughout the province receive a fair and reliable assessment as they use the standards to guide their efforts, thus ensuring they participate more effectively and successfully in the learning and assessment process. Standards at advanced levels are, as much as possible, linked to workplace and post-secondary entry-level requirements.

TYPES OF COMPETENCIES

Two types of competencies are defined within the CTS program: basic and career-specific.

Basic competencies are generic to any career area and are developed within each course. Basic competencies include:

- personal management; e.g., managing learning, being innovative, ethics, managing resources
- social; e.g., communication, teamwork, leadership and service, demonstrating responsibility (safety and accountability).

Career-specific competencies relate to a particular strand. These competencies build daily living skills at the introductory levels and support the smooth transition to the workplace and/or post-secondary programs at the intermediate and advanced levels.

The model below shows the relationship of the two types of competencies within the 22 strands of the CTS program.












BASIC COMPETENCIES REFERENCE GUIDE

The chart below outlines basic competencies that students endeavour to develop and enhance in each of the CTS strands and courses. Students' basic competencies should be assessed through observations involving the student, teacher(s), peers and others as they complete the requirements for each course. In general, there is a progression of task complexity and student initiative as outlined in the Developmental Framework★. **As students progress through Stages 1, 2, 3 and 4 of this reference guide, they build on the competencies gained in earlier stages.** Students leaving high school should set themselves a goal of being able to demonstrate Stage 3 performance.

Suggested strategies for classroom use include:

- having students rate themselves and each other
- using in reflective conversation between teacher and student
- highlighting areas of strength
- tracking growth in various CTS strands
- highlighting areas upon which to focus
- maintaining a student portfolio.

Stage 1— <i>The student:</i>	Stage 2— <i>The student:</i>	Stage 3— <i>The student:</i>	Stage 4— <i>The student:</i>
<p>Managing Learning</p> <ul style="list-style-type: none"> <input type="checkbox"/> comes to class prepared for learning <input type="checkbox"/> follows basic instructions, as directed <input type="checkbox"/> acquires specialized knowledge, skills and attitudes <input type="checkbox"/> identifies criteria for evaluating choices and making decisions <input type="checkbox"/> uses a variety of learning strategies 	<p><input type="checkbox"/> </p> <ul style="list-style-type: none"> <input type="checkbox"/> follows instructions, with limited direction <input type="checkbox"/> sets goals and establishes steps to achieve them, with direction <input type="checkbox"/> applies specialized knowledge, skills and attitudes in practical situations <input type="checkbox"/> identifies and applies a range of effective strategies for solving problems and making decisions <input type="checkbox"/> explores and uses a variety of learning strategies, with limited direction 	<p><input type="checkbox"/> </p> <ul style="list-style-type: none"> <input type="checkbox"/> follows detailed instructions on an independent basis <input type="checkbox"/> sets clear goals and establishes steps to achieve them <input type="checkbox"/> transfers and applies specialized knowledge, skills and attitudes in a variety of situations <input type="checkbox"/> uses a range of critical thinking skills to evaluate situations, solve problems and make decisions <input type="checkbox"/> selects and uses effective learning strategies <input type="checkbox"/> cooperates with others in the effective use of learning strategies 	<p><input type="checkbox"/> </p> <p><input type="checkbox"/> </p> <ul style="list-style-type: none"> <input type="checkbox"/> demonstrates self-direction in learning, goal setting and goal achievement <input type="checkbox"/> transfers and applies learning in new situations; demonstrates commitment to lifelong learning <input type="checkbox"/> thinks critically and acts logically to evaluate situations, solve problems and make decisions <input type="checkbox"/> <input type="checkbox"/> provides leadership in the effective use of learning strategies
<p>Managing Resources</p> <ul style="list-style-type: none"> <input type="checkbox"/> adheres to established timelines; uses time/schedules/planners effectively <input type="checkbox"/> uses information (material and human resources), as directed <input type="checkbox"/> uses technology (facilities, equipment, supplies), as directed, to perform a task or provide a service <input type="checkbox"/> maintains, stores and/or disposes of equipment and materials, as directed 	<ul style="list-style-type: none"> <input type="checkbox"/> creates and adheres to timelines, with limited direction; uses time/schedules/planners effectively <input type="checkbox"/> accesses and uses a range of relevant information (material and human resources), with limited direction <input type="checkbox"/> uses technology (facilities, equipment, supplies), as appropriate, to perform a task or provide a service, with minimal assistance and supervision <input type="checkbox"/> maintains, stores and/or disposes of equipment and materials, with limited assistance 	<ul style="list-style-type: none"> <input type="checkbox"/> creates and adheres to detailed timelines on an independent basis; prioritizes task; uses time/schedules/planners effectively <input type="checkbox"/> accesses a range of information (material and human resources), and recognizes when additional resources are required <input type="checkbox"/> selects and uses appropriate technology (facilities, equipment, supplies) to perform a task or provide a service on an independent basis <input type="checkbox"/> maintains, stores and/or disposes of equipment and materials on an independent basis 	<ul style="list-style-type: none"> <input type="checkbox"/> creates and adheres to detailed timelines; uses time/schedules/planners effectively; prioritizes tasks on a consistent basis <input type="checkbox"/> uses a wide range of information (material and human resources) in order to support and enhance the basic requirement <input type="checkbox"/> recognizes the monetary and intrinsic value of managing technology (facilities, equipment, supplies) <input type="checkbox"/> demonstrates effective techniques for managing facilities, equipment and supplies
<p>Problem Solving and Innovation</p> <ul style="list-style-type: none"> <input type="checkbox"/> participates in problem solving as a process <input type="checkbox"/> learns a range of problem-solving skills and approaches <input type="checkbox"/> practices problem-solving skills by responding appropriately to a clearly defined problem, specified goals and constraints, by: <ul style="list-style-type: none"> – generating alternatives – evaluating alternatives – selecting appropriate alternative(s) – taking action 	<ul style="list-style-type: none"> <input type="checkbox"/> identifies the problem and selects an appropriate problem-solving approach, responding appropriately to specified goals and constraints <input type="checkbox"/> applies problem-solving skills to a directed or a self-directed activity, by: <ul style="list-style-type: none"> – generating alternatives – evaluating alternatives – selecting appropriate alternative(s) – taking action 	<ul style="list-style-type: none"> <input type="checkbox"/> thinks critically and acts logically in the context of problem solving <input type="checkbox"/> transfers problem-solving skills to real-life situations, by generating new possibilities <input type="checkbox"/> prepares implementation plans <input type="checkbox"/> recognizes risks 	<ul style="list-style-type: none"> <input type="checkbox"/> identifies and resolves problems efficiently and effectively <input type="checkbox"/> identifies and suggests new ideas to get the job done creatively, by: <ul style="list-style-type: none"> – combining ideas or information in new ways – making connections among seemingly unrelated ideas – seeking out opportunities in an active manner

Stage 1— <i>The student:</i>	Stage 2— <i>The student:</i>	Stage 3— <i>The student:</i>	Stage 4— <i>The student:</i>
<p>Communicating Effectively</p> <ul style="list-style-type: none"> <input type="checkbox"/> uses communication skills; e.g., reading, writing, illustrating, speaking <input type="checkbox"/> uses language in appropriate context <input type="checkbox"/> listens to understand and learn <input type="checkbox"/> demonstrates positive interpersonal skills in selected contexts 	<ul style="list-style-type: none"> <input type="checkbox"/> communicates thoughts, feelings and ideas to justify or challenge a position, using written, oral and/or visual means <input type="checkbox"/> uses technical language appropriately <input type="checkbox"/> listens and responds to understand and learn <input type="checkbox"/> demonstrates positive interpersonal skills in many contexts 	<ul style="list-style-type: none"> <input type="checkbox"/> prepares and effectively presents accurate, concise, written, visual and/or oral reports providing reasoned arguments <input type="checkbox"/> encourages, persuades, convinces or otherwise motivates individuals <input type="checkbox"/> listens and responds to understand, learn and teach <input type="checkbox"/> demonstrates positive interpersonal skills in most contexts 	<ul style="list-style-type: none"> <input type="checkbox"/> negotiates effectively, by working toward an agreement that may involve exchanging specific resources or resolving divergent interests <input type="checkbox"/> negotiates and works toward a consensus <input type="checkbox"/> listens and responds to understand, learn, teach and evaluate <input type="checkbox"/> promotes positive interpersonal skills among others
<p>Working with Others</p> <ul style="list-style-type: none"> <input type="checkbox"/> fulfills responsibility in a group project <input type="checkbox"/> works collaboratively in structured situations with peer members <input type="checkbox"/> acknowledges the opinions and contributions of others in the group 	<ul style="list-style-type: none"> <input type="checkbox"/>  <input type="checkbox"/> cooperates to achieve group results <input type="checkbox"/> maintains a balance between speaking, listening and responding in group discussions <input type="checkbox"/> respects the feelings and views of others 	<ul style="list-style-type: none"> <input type="checkbox"/> seeks a team approach, as appropriate, based on group needs and benefits; e.g., idea potential, variety of strengths, sharing of workload <input type="checkbox"/> works in a team or group: <ul style="list-style-type: none"> – encourages and supports team members – helps others in a positive manner – provides leadership/ followership as required – negotiates and works toward consensus as required 	<ul style="list-style-type: none"> <input type="checkbox"/> leads, where appropriate, mobilizing the group for high performance <input type="checkbox"/> understands and works within the context of the group <input type="checkbox"/> prepares, validates and implements plans that reveal new possibilities
<p>Demonstrating Responsibility</p> <p>Attendance</p> <ul style="list-style-type: none"> <input type="checkbox"/> demonstrates responsibility in attendance, punctuality and task completion <p>Safety</p> <ul style="list-style-type: none"> <input type="checkbox"/> follows personal and environmental health and safety procedures <input type="checkbox"/> identifies immediate hazards and their impact on self, others and the environment <input type="checkbox"/> follows appropriate/emergency response procedures <p>Ethics</p> <ul style="list-style-type: none"> <input type="checkbox"/> makes personal judgements about whether or not certain behaviours/actions are right or wrong 	<ul style="list-style-type: none"> <input type="checkbox"/>  <input type="checkbox"/> recognizes and follows personal and environmental health and safety procedures <input type="checkbox"/> identifies immediate and potential hazards and their impact on self, others and the environment <input type="checkbox"/>  <input type="checkbox"/> assesses how personal judgements affect other peer members and/or family; e.g., home and school 	<ul style="list-style-type: none"> <input type="checkbox"/>  <input type="checkbox"/> establishes and follows personal and environmental health and safety procedures <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> assesses the implications of personal/group actions within the broader community; e.g., workplace 	<ul style="list-style-type: none"> <input type="checkbox"/>  <input type="checkbox"/> transfers and applies personal and environmental health and safety procedures to a variety of environments and situations <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> demonstrates accountability for actions taken to address immediate and potential hazards <input type="checkbox"/> analyzes the implications of personal/group actions within the global context <input type="checkbox"/> states and defends a personal code of ethics as required
<p>★Developmental Framework</p> <ul style="list-style-type: none"> • <i>Simple task</i> • <i>Structured environment</i> • <i>Directed learning</i> 	<ul style="list-style-type: none"> • <i>Task with limited variables</i> • <i>Less structured environment</i> • <i>Limited direction</i> 	<ul style="list-style-type: none"> • <i>Task with multiple variables</i> • <i>Flexible environment</i> • <i>Self-directed learning, seeking assistance as required</i> 	<ul style="list-style-type: none"> • <i>Complex task</i> • <i>Open environment</i> • <i>Self-directed/self-motivated</i>

CAREER TRANSITIONS

B. STRAND RATIONALE AND PHILOSOPHY

Career Transitions, a strand in Career and Technology Studies, focuses on helping students recognize the relevance of schooling and to make a smooth transition from secondary school to the world of work or to further training and/or education. Key themes include Career Readiness, Leadership, Career Extensions, Career Credentials, Job Safety Skills, Client Service and Career Directions.

Career Transitions has the potential to create meaningful educational experiences for today's high school students. It supports integration across curricular areas and partnerships in which students, schools, businesses and the community can work together toward common goals.

Each Career Transitions course promotes the development of independent thinking and decision-making skills. As well, the courses encourage the abilities and flexibility required to adapt to new situations, including the pursuit of career advancement opportunities and changes in career paths. Career Transitions also helps students recognize the relevance, transferability and applicability of competencies they have developed in other courses and through hobbies, interests or work.

Students participating in Career Transitions are encouraged to set realistic career goals and to increase their motivation to succeed in courses that are related to these goals. Career Transitions helps students determine what employers and others

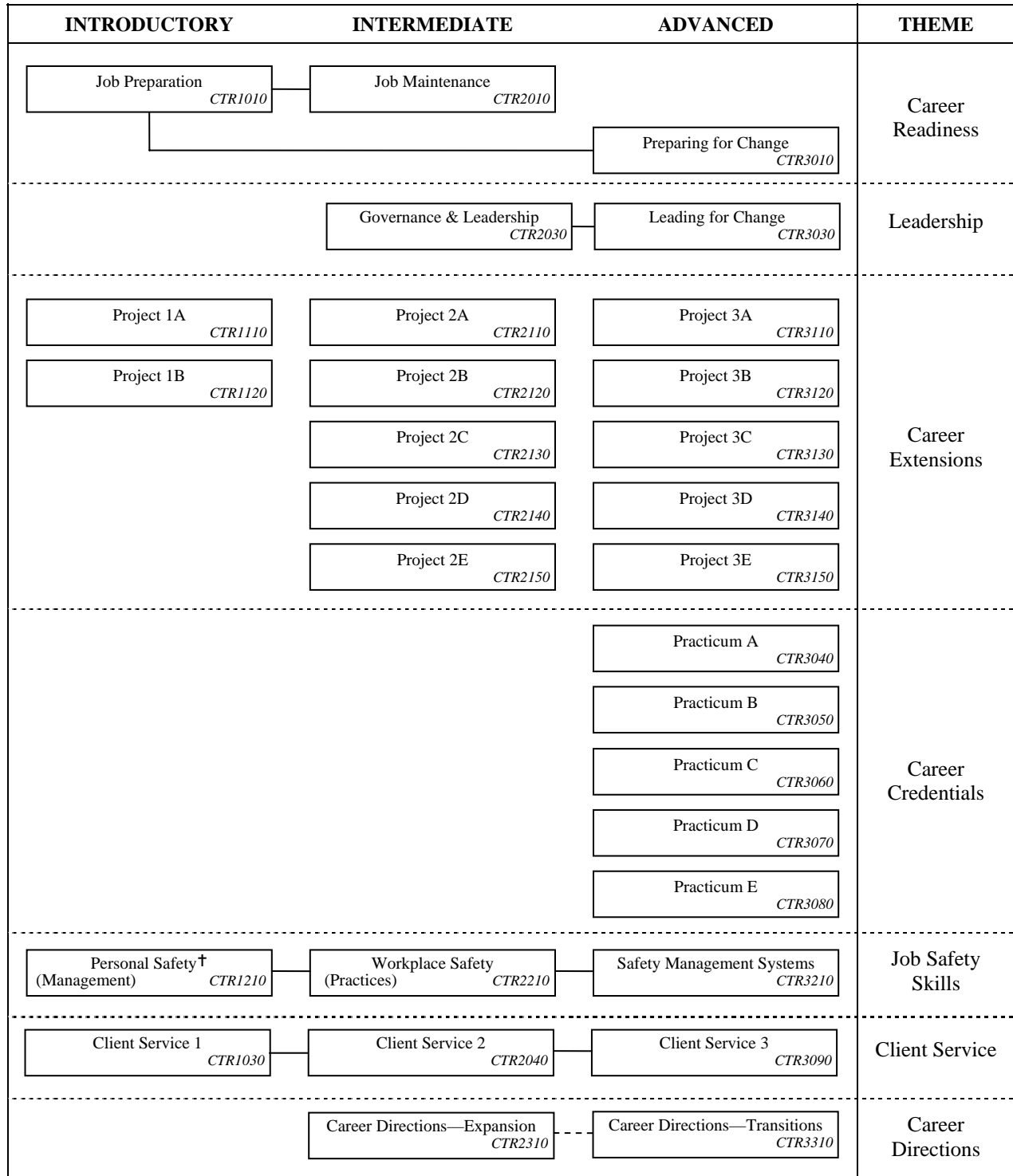
expect of prospective employees, and encourages students to actively work to meet their own and others' expectations. Contact with role models in the work setting can provide accurate information about the training and pretraining requirements of occupations and the availability and use of up-to-date technology.

Within the philosophy of Career and Technology Studies, *students* in Career Transitions *will*:

- analyze the job market and societal trends, and relate them to personal career plans
- explore selected occupations in depth
- demonstrate successful job search, job acquisition and maintenance skills
- understand the concept of job termination
- develop acceptable work habits and positive attitudes toward work
- identify and discuss the expectations and the rights and responsibilities of employers and employees
- recognize and develop a positive attitude toward safety and safe workplace practices
- identify and understand legislation and regulations that govern employers and employees

- understand the relationships among the individual worker, the employer, organized labour and the government
- demonstrate leadership in a governance role to affect change and decision-making processes
- explore the relationship between education, training and career advancement
- develop and demonstrate project management skills
- make a smooth transition between schooling and the world of work
- attain externally recognized credentials, where available
- develop a career portfolio, prepare learning/ career plans, including transition scenarios, and establish and implement action plans for strengthening their essential competencies (employability skills) and learning capacity.

SCOPE AND SEQUENCE



—— Prerequisite - - - - - Recommended Sequence

† Course is also offered in Community Health.

GENERAL OUTCOMES: INTRODUCTORY LEVEL

COURSE CTR1010: JOB PREPARATION

Level: Introductory

Theme: Career Readiness

Prerequisite: None

Description: Students develop successful employment search skills and a personal employment search portfolio.

General Outcomes: *The student will:*

- identify and develop knowledge, skills and attitudes appropriate for conducting successful employment searches
- communicate in the language in which business is conducted
- prepare a personal employment search portfolio
- use technologies, tools and information systems appropriately for job preparation
- demonstrate basic competencies.

COURSE CTR1030: CLIENT SERVICE 1

Level: Introductory

Theme: Client Service

Prerequisite: None

Description: Students are introduced to the principles and practices of client service. The learning acquired through other CTS courses is extended and enhanced, and opportunities are provided for students to apply and to integrate, in real-life contexts, the knowledge, skills and attitudes developed through other courses.

The context of instruction for this course is determined by the other CTS strands to which it is linked.

General Outcomes: *The student will:*

- define “client service” and explain the relationship between “client” and “service”
- identify and describe the scope of client services available to clients
- demonstrate and record basic client services, including:
 - applications of competencies learned in other courses
 - communication skills
 - safety practices
- demonstrate basic competencies.

COURSE CTR1110: PROJECT 1A

COURSE CTR1120: PROJECT 1B

Level: Introductory

Theme: Career Extensions

Prerequisite: None

Description: Students, through projects, extend and enhance competencies developed in the Career Transitions strand or other Career and Technology Studies strands to contexts that are personally relevant.

Note: The project courses may not be delivered as stand-alone courses, nor may they be combined with core courses.

General Outcomes: *The student will:*

- propose, manage and assess a project
- meet goals as defined within the project plan
- demonstrate basic competencies.

COURSE CTR1210: PERSONAL SAFETY (MANAGEMENT)

Level: Introductory

Theme: Job Safety Skills

Prerequisite: None

Description: Students develop practical safety-related knowledge, skills and attitudes, and obtain training and possible certification in emergency first aid.

General Outcomes: *The student will:*

- identify and describe:
 - health and safety stakeholders
 - legislation relating to health and safety
 - hazards; e.g., in offices
 - careers in safety
- demonstrate basic health and safety practices, including:
 - burn prevention
 - use of personal protective equipment (PPE)
 - back care
- develop and implement a personal health and safety plan
- complete, successfully, a course in emergency first aid (EFA)
- demonstrate basic competencies.

GENERAL OUTCOMES: INTERMEDIATE LEVEL

COURSE CTR2010: JOB MAINTENANCE

Level: Intermediate

Theme: Career Readiness

Prerequisite: CTR1010 Job Preparation

Description: Students acquire knowledge about workplace requirements, rights and responsibilities and relate this knowledge to personal career/employment expectations.

General Outcomes: *The student will:*

- identify and develop knowledge, skills and attitudes appropriate to acquiring and maintaining employment
- identify and describe employment support agencies, employment centres and employment legislation
- demonstrate basic competencies.

COURSE CTR2030: GOVERNANCE & LEADERSHIP

Level: Intermediate

Theme: Leadership

Prerequisite: None

Description: Students are introduced to governance, its place within the administrative structure of a school or community, including the roles, responsibilities, practices and procedures for participating in governance and leadership.

General Outcomes: *The student will:*

- describe and explain the purpose of a governance structure
- participate in leadership activities within a school, volunteer agency or a community governance structure
- demonstrate leadership in a governance role
- demonstrate basic competencies.

COURSE CTR2040: CLIENT SERVICE 2

Level: Intermediate

Theme: Client Service

Prerequisite: CTR1030 Client Service 1

Description: Students expand on the principles and practices of client service previously developed. The learning acquired by students in CTR1030 Client Service 1 is extended and enhanced, and additional opportunities are provided for students to develop client service abilities by applying and integrating, in real-life contexts, the knowledge, skills and attitudes developed through other courses.

The context of instruction for this course is determined by the other CTS strands to which it is linked.

General Outcomes: *The student will:*

- distinguish between client needs and wants and be able to reconcile expressed needs with service needs
- demonstrate and record advanced client services, including:
 - applications of competencies learned in other courses
 - ethical behaviour
 - sales ability
 - quality control
 - marketing
 - client service management
- identify, explain and apply basic quality control principles and practices
- identify, explain and apply basic sales and marketing strategies
- demonstrate basic competencies.

COURSE CTR2110: PROJECT 2A
COURSE CTR2120: PROJECT 2B
COURSE CTR2130: PROJECT 2C
COURSE CTR2140: PROJECT 2D
COURSE CTR2150: PROJECT 2E

Level: Intermediate

Theme: Career Extensions

Prerequisite: None

Description: Students, through projects, extend and enhance competencies developed in the Career Transitions strand or other Career and Technology Studies strands to contexts that are personally relevant.

Note: The project courses may not be delivered as stand-alone courses, nor may they be combined with core courses.

General Outcomes: *The student will:*

- propose, manage and assess a project
- meet goals as defined within the project plan
- demonstrate basic competencies.

COURSE CTR2210: WORKPLACE SAFETY (PRACTICES)

Level: Intermediate

Theme: Job Safety Skills

Prerequisite: CTR1210 Personal Safety (Management)

Description: Students explore workplace safety principles and practices, and apply these principles and practices to a variety of contexts.

General Outcomes: *The student will:*

- identify and describe hazard assessments and controls
- classify accidents and incidents and explain causation
- define ergonomics and describe its relationship to workplace safety
- demonstrate and describe standards/legislated practices associated with workplace safety, including:
 - farm/urban safety
 - fire safety
 - electrical safety
 - confined space safety
 - transportation of dangerous goods
- demonstrate basic competencies.

COURSE CTR2310: CAREER DIRECTIONS—EXPANSION

Level: Intermediate

Theme: Career Directions

Prerequisite: None

Description: Students build on work done in Career and Life Management (CALM) to update their learning/career plan, to enhance their career tool kit, and to update their action plan for strengthening essential competencies and learning capacity.

General Outcomes: *The student will:*

- refine and present the career portfolio, showing evidence of strengths and competencies, including accomplishments over the past year
- describe the career paths of two individuals working in different occupations in terms of their career planning and transition experiences
- update learning/career planner and expand personal career network/resource list
- prepare two alternative personal career transition scenarios—high school plus five years—including:
 - links to personal competencies, interests and goals
 - research of selected occupations/industries and learning requirements
 - research of present and lifelong learning opportunities
- refine and/or expand action plans to enhance essential competencies and to build learning capacity.

GENERAL OUTCOMES: ADVANCED LEVEL

COURSE CTR3010: PREPARING FOR CHANGE

Level: Advanced

Theme: Career Readiness

Prerequisite: CTR1010 Job Preparation

Description: Students develop knowledge and skills relating to the changing labour market, and relate these changes to analyzing and refining personal career plans.

General Outcomes: *The student will:*

- analyze the role of government and labour unions in relation to employers and employees
- gather and analyze appropriate labour market information related to selected occupations and incorporate the findings into a personal career plan
- demonstrate basic competencies.

COURSE CTR3030: LEADING FOR CHANGE

Level: Advanced

Theme: Leadership

Prerequisite: CTR2030 Governance & Leadership

Description: Students investigate change and decision-making processes used in the school and/or community. They construct, propose and initiate the use of a project planning model to affect change.

General Outcomes: *The student will:*

- describe the change and decision-making processes used in a governance structure
- identify and record the organizational structures used in a school and in a community
- construct, propose and initiate the use of a project planning model
- demonstrate basic competencies.

COURSE CTR3040: PRACTICUM A

COURSE CTR3050: PRACTICUM B

COURSE CTR3060: PRACTICUM C

COURSE CTR3070: PRACTICUM D

COURSE CTR3080: PRACTICUM E

Level: Advanced

Theme: Career Credentials

Prerequisite: None

Description: Students, on the worksite, continue to develop and refine those competencies developed in related Career and Technology Studies courses, previous practicums and other experiences.

Note: The practicum courses may be accessed only by students continuing to work towards attaining a recognized credential offered by an agency external to the school. Practicum courses extend the competencies developed in related CTS strands. The practicum courses may not be delivered as stand-alone courses, nor may they be combined with core courses. These courses may not be used in conjunction with Registered Apprenticeship Program courses. The practicum courses must be delivered off-campus and be supervised by both a qualified teacher and an experienced professional authorized to supervise trainees for the external credential.

General Outcomes: *The student will:*

- perform assigned tasks and responsibilities efficiently and effectively as required by the credentialing agency
- analyze personal performance in relation to established standards
- demonstrate basic competencies.

COURSE CTR3090: CLIENT SERVICE 3

Level: Advanced

Theme: Client Service

Prerequisite: CTR2040 Client Service 2

Description: Students build on the principles and practices of client service acquired in CTR2040 Client Service 2. Additional opportunities are provided for students to apply and to integrate, in real-life contexts, the knowledge, skills and attitudes developed through other courses.

The context of instruction for this course is determined by the other CTS strands to which it is linked.

General Outcomes: *The student will:*

- demonstrate and record professional client services, including:
 - applications of competencies learned in other courses
 - ethical behaviour
 - client service enhancement strategies
- demonstrate advanced quality control and marketing strategies
- manage client services
- demonstrate basic competencies.

COURSE CTR3110: PROJECT 3A

COURSE CTR3120: PROJECT 3B

COURSE CTR3130: PROJECT 3C

COURSE CTR3140: PROJECT 3D

COURSE CTR3150: PROJECT 3E

Level: Advanced

Theme: Career Extensions

Prerequisite: None

Description: Students, through projects, extend and enhance competencies developed in the Career Transitions strand or other Career and Technology Studies strands to contexts that are personally relevant.

Note: The project courses may not be delivered as stand-alone courses, nor may they be combined with core courses.

General Outcomes: *The student will:*

- propose, manage and assess a project
- meet goals as defined within the project plan
- demonstrate basic competencies.

COURSE CTR3210: SAFETY MANAGEMENT SYSTEMS

Level: Advanced

Theme: Job Safety Skills

Prerequisite: CTR2210 Workplace Safety (Practices)

Description: Students conduct an in-depth investigation of safety management systems and demonstrate the ability to design a safety program for a selected business/industry.

General Outcomes: *The student will:*

- define “loss control” and describe “loss control” practices in a selected business/industry
- design a safety program for a selected business/industry, and specify safety management practices, standards and documentation requirements/procedures
- gather and analyze accident/incident information, identify causation and recommend preventive measures
- demonstrate basic competencies.

COURSE CTR3310: CAREER DIRECTIONS—TRANSITIONS

Level: Advanced

Theme: Career Directions

Prerequisite: None

Description: Students build on work done in CTR2310: Career Directions—Expansion to update their learning/career plan, and to ensure their career tool kit can support them as they make the transition from high school into the workplace or post-secondary learning.

General Outcomes: *The student will:*

- refine and present the career portfolio targeting specific applications related to personal career plans
- describe the career paths of two individuals working in different industry sectors in terms of their career planning and transition experiences
- update learning/career planner and expand personal career network/resource list
- update and assess personal career transition scenarios, including:
 - links to personal competencies, interests and goals
 - career planning process and principles
 - expectations and opportunities (potential career paths)
 - labour market and workplace trends
- refine and/or expand action plans to enhance essential competencies and to build learning capacity.