

# **Quantum Community College**

**1988 Summer Quarter**

Registration Opens June 1  
Classes Begin June 18  
in the Learning Center

Quantum Community College is pleased to present its summer line-up of classes. This quarter's courses cover the range of academic pursuit from math to English, and from computer programming to foreign relations.

Use this course booklet to select the classes you want to take. Take a look at the courses, and our staff of QTutors in QCC. You'll find course descriptions and changes to scheduled class times online in the Registration area of QCC. Be sure to confirm your course schedule online in QCC before you register.

Registration for the Summer Quarter opens Wednesday, June 1. Classes begin Saturday, June 18. There is a \$15 registration fee for each course.

### ***Earn While You Learn***

Earn free Plus time for fulfilling the attendance requirements for any QCC course. Earn five free Plus hours for a three-credit course, and three free Plus hours for a two-credit course. Receive one free Plus hour for attending all the sessions of QCC's minicourses. To find out more, select "Information Center" from QCC's main menu, then "Policies/General Information."

### ***Academic Counseling***

Having a problem with school, learning, or just a bit confused about where you're heading? Then, stop by and have a friendly chat with our online guidance counselor. This free service is open to all QCC students and parents. The sessions are held on a drop-in basis in the QCC Counseling Classroom. Meet with counselor QTUTOR jaa on Sundays from 11 p.m. to midnight, and on Wednesdays from 10 p.m. to 11 p.m. (Eastern time).

### ***GEOS Workshop Special Summertime Minicourse***

Learn first hand how to use GEOS, the graphic environment operating system from Berkeley Softworks. Each week, explore a new aspect of GEOS, including making workdisks, using geoWrite, geoPaint, and GEOS utilities. Expand your word processing and graphics capabilities by taking this workshop. The course runs for four weeks and meets Sundays from 2 p.m. to 3 p.m. EST. First class: June 19. Register for this minicourse in QCC's Registration area.

### ***Quantum Community College Faculty***

QCC offers you the unique opportunity to learn from professors, teachers, and educators from across the country. Their diversity in expertise and perspective can broaden your knowledge horizons. Here is a listing of the teachers and their qualifications.

# Quantum Community College

## Faculty Profiles – Summer Quarter 1988

**QTUTOR je:** B.S. in Education, Kent State Univ., 1984; major in elementary education; teacher-counselor for severe behavior handicapped children in grades K-5.

**QTUTOR jim:** B.S. in Vocational Education, Southern Illinois Univ., 1988; 14 yrs. in military with specialty in electronics and nuclear power operation.

**QTUTOR mah:** M.Div., Concordia Seminary, 1970; reference and research assistant, pastor, and associate editor for Concordia Publishing House.

**QTUTOR wo:** B.S. in Biology, California State Univ.; pursuing advanced degree at Calif. State Univ. in genetics.

**QTUTOR ags:** Major in pastoral theology, Tennessee Temple Univ., 1985; teacher and evangelist.

**QTUTOR dlm:** Ed.D., California Coast Univ., 1984; MA in National Security Affairs, Naval Postgraduate School, 1978; AA, BS in Liberal Studies, Univ. of State of New York, 1975; B.A. in Business Admin., Florida State Christian College, 1971; 30-year veteran of the U.S. Air Force currently serving as deputy director of the Air Univ. Library.

**QTUTOR mu:** B.S. in Pharmacy, Univ. of Michigan, 1979; district manager of major drug store; published works dealing with systems programming.

**QTUTOR tc:** B.S. in Computer Science, Polytechnic Univ., 1987; experienced in programming languages of Pascal, C, PL/1, BASIC, LISP, FORTRAN, Musicl, assembly; technical writing.

**QTUTOR sec:** Masters in Educational Media, Temple Univ., 1974; B.S. in Science Educ., Temple Univ., 1969; published writer; experienced teacher of science and computer literacy courses.

**QTUTOR ec:** Masters in Geology, Boston Univ., 1970; B.S. in Physical Science/Secondary Ed., 1968; instructor of Physics at St. John's University and New York City Technical College.

**QTUTOR jaa:** B.S. in Nursing, Columbia Univ., 1959; EMT; professional nurse; presently a medical consultant to a law firm dealing with personal injury and medical malpractice cases.

**QTUTOR 1k:** B.S. in Elementary Education, Edinboro State Univ., 1971; 30 hrs. of graduate courses in Elem. Ed. at Univ. of Richmond, Virginia Commonwealth Univ., and Penn State Univ.; experienced teacher of 15 years for grades 2 and 4, including gifted students.

**QTUTOR mh:** B.A. in English, Armstrong State College, 1983; enrolled in Masters program in English Educ. at Armstrong State; presently a 5th grade teacher at Hodge Academy of Computer Science specializing in utilization of computers in the classroom and in management; teaches math and English in campus Prescription Learning Computer Lab.

**QTUTOR paw:** 20 year teacher of English in Chicago public schools; 8th grade.

**QTUTOR ap:** New York Writer's Institute, Secretarial Arts Degree; journalism, short story writing, photojournalism. Published author of two books dealing with agoraphobia; founder of Phobia International; publisher/founder of monthly newsletter for agoraphobia sufferers.

**QTUTOR ash:** Senior at Colorado State Univ. majoring in Business and Computer Science. Experienced in programming in BASIC and Machine Language.

**QTUTOR cpa:** professional Certified Public Accountant.

**QTUTOR djk:** National Independent Study Center, supervision and management courses; independent study in all aspects of classical mythology; teaching experience in personnel training and supervisory duties at the Naval Air Development Center; instructor for new procedures and operational techniques.

**QTUTOR jl:** B.S. in Chemical Engineering, Rutgers Univ., 1984; PBM Program in Computer Science, Kean College; professional environmental analyst.

**QTUTOR jc:** B.S. in Mathematics, Univ. of Illinois, 1987; experienced designer/drafter for an architect firm.

**QTUTOR cdb:** graduate of Queen's College; presently a Technical Applications Programmer. Published writer with specialty in interview/review writing, technical writing, and computer programming.

**TCenter/QTUTOR mm:** M.Ed. in English Education, Univ. of NH, 1978; B.A. in English and Math, Univer. of Miami, FL, 1972. Former English instructor and Naval officer at Naval academy Prep. School; former English instructor at Fitchbury State College; director of computer learning lab for Army; founder and director of QCC and TC; owner/founder of Computer-Assisted Learning Center (CALC); professional writer on topics dealing with computers in education.

T, TH 9-10:30 p.m.

3 Credits

This introductory course is designed to give the student an understanding of the great legends of classical mythology. As the course progresses, students will have the opportunity to demonstrate their knowledge of selected mythological characters through role-playing.

### Writing: Advanced Topics

QTUTOR cdb

Su 3 p.m.

2 Credits

This course is an intensive writing workshop for those who wish to hone their craft of writing. You will write one short story per week. You will also be editing and critiquing each other's work.

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## General Studies Course

Dept. Coordinator: QTUTOR dlm

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### Vietnam: America's Longest War

QTUTOR dlm

TH 9-11 p.m.

2 Credits

This contemporary history of the Vietnam War is a survey of the American military experience in Vietnam from the end of World War II to the fall of Saigon in 1975.

The instructor is a professor of government and history and a lecturer in national security affairs. He served in Vietnam during 1966-67 as an Air force officer in special operations. He flew more than 100 combat missions and was awarded the Vietnam Cross of Gallantry, among other honors.

### Predestination I

QTUTOR ags

Sa 3:30-5:30 p.m.

2 Credits

Ever wonder about your destiny? In this course, the doctrine of predestination will be studied in a biblical light. We will examine the teachings of John Calvin, Jacobus Arminius, and others, as well as modern day interpretations. Other related doctrines will be examined, such as free-will, covenant theology, and eternal security of the believer.

### Marriage, Divorce, and Remarriage

QTUTOR ags

Su 10:30 a.m.-12:30 p.m.

2 Credits

This course is designed for those facing marriage, divorce, or remarriage, which includes about all of us. It's for singles and for marrieds, for men and women, and deals with the effects of these relationships from a mental, social, physical, and spiritual perspective.

### Japanese

QTUTOR dkl

M, W 9:30-11 p.m.

3 Credits

This course covers basic Japanese conversation and grammar. Students will learn the language for the purpose of travel in Japan: getting around by taxi and train, as well as using the telephone. Students must purchase an audio tape which costs \$5 and can be ordered from the instructor. Other study materials are provided online.

### S.A.T. Preparation

QTUTOR mh

Su 8:30-10:30 p.m.

2 Credits

This course is designed to help prepare students for taking the SAT (Scholastic Aptitude Test), which is required for entrance into many colleges. Students learn test taking techniques as well as participate in drill sessions using SAT type questions. Topics covered include strategies for finding analogies, vocabulary building exercises, sentence completion workouts, antonym drills, and diction and grammar studies.

### U.S. & World Affairs

QTUTOR dlm

T 9-11 p.m.

2 Credits

The United States and World Affairs is a course of study designed to survey the diplomatic history of the U.S. and the development of contemporary U.S. foreign policy. Major topics of discussion range from U.S. independence to the onset of the Cold War, and include a focus on Soviet-American relations and U.S. foreign policy in the Third World.

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## Science and Health Courses

Dept. Coordinator: QTUTOR st

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### Anatomy and Physiology

QTUTOR jaa

T 9-11 p.m.

2 Credits

This course is designed to help you understand the various systems of the human body and their interdependence. It is an introductory course and avoids complicated medical terms as much as possible.

The organs and their functions in the Nervous, Digestive, Heart and Circulatory, Muscle and Skeletal, Respiratory, Excretory, and Reproductive Systems will be discussed. We will also examine the balance between the systems and the effects of an imbalance in your body.

### New Class!

#### Diet and Nutrition

QTUTOR jaa

M 9-11 p.m.

2 Credits

Learn how to improve your health in this new QCC course! People are becoming more aware of the important role that diet plays in maintaining good health. The essentials of a well-balanced diet, including the roles of basic food groups will be discussed.

Special diets and "fad" diets will also be examined.

### New Class!

#### Introduction to Astronomy

QTUTOR ec

Su 8-10 p.m.

2 Credits

Learn about the sun, moon, and stars in this new QCC astronomy course! The course covers the formation of the stars, universe, our solar system, the planets, as well as other aspects of astronomy.

### Medical Malpractice

QTUTOR jaa

M, T 11 p.m.-Midnight

2 Credits

What would you do if you suddenly found yourself involved in a malpractice action? This course explains the various stages of a malpractice suit and how to handle the various situations a nurse, EMT, nurse's aide, orderly and other members of the medical world may have to face. It will consist of a combination of lecture, question answering and role playing with the instructor taking the part of the attorney.

# 1988 Summer Courses

All times listed are Eastern Standard

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## Business Courses

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### Typing and Word Processing

QTUTOR lk

T, TH 9:30-11 p.m.

3 Credits

This course will teach students to touch type while building accuracy and speed. Students will also become familiar with word processing skills as they apply to personal and business uses. Course materials are provided online.

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## Mathematics Courses

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Dept. Coordinator: QTUTOR ann

### Algebra I

QTUTOR jj

Section A: Su 9-11 p.m.

2 Credits

Section B: TH 10-Midnight

2 Credits

This course is intended for students who are new to algebra or in need of a refresher course. It covers basic arithmetic functions, polynomials, and factoring. Course materials provided online.

### Geometry

QTUTOR bar

Su 6:30-8:30 p.m.

2 Credits

This is an introductory Geometry course dealing with properties of points, lines, triangles, squares, rectangles, circles, and other figures.

### Calculus II

QTUTOR jc

M, W 10-11:30 p.m.

3 Credits

This course is a continuation of Calculus I and is appropriate for engineering and higher level math students. It concentrates on the uses and applications of the integral, as well as surfaces, volumes, solids of revolution, indeterminate forms, partial derivatives, and the infinite series. Course materials will be provided online.

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## Computer Science/Electronics

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Dept. Coordinator: QTUTOR tc

### Advanced Programming Languages

QTUTOR mu

M 8-10 p.m.

2 Credits

In this advanced programming course, students will learn the skills for "structured programming." Students will utilize the COMAL 0.14 and LIMP programming languages, both available online.

### BASIC Programming I

QTUTOR ash

Section A: Su 2-4 p.m.

2 Credits

Section B: T 9-11 p.m.

2 Credits

### Section C: TH 10-Midnight

QTUTOR mu

M 8-10 p.m.

2 Credits

Introduction to programming in BASIC on the C64. The course includes programming, variables, statements, functions, if/then structures, loops, subroutines, and an introduction to documentation. Recommended text is the "C-64 Programmer's Reference Guide."

### BASIC Programming II

INSTRUCTOR: TBA

TBA

2 Credits

Advanced programming in BASIC. The course includes a review of BASIC I, plus it covers arrays, sorting, stacks, string manipulation, sequential and relative files. There is also an introduction to Machine Language concepts, peeks and pokes, and the CIMPL machine language programming system.

### Computer Application

QTUTOR sec

TBA

2 Credits

This course will teach you how to use a word processor, database, and spreadsheet. You will download these three application programs from Q-Link and will learn how to use their various features. It is a 10-week course meeting for one hour per week.

### Machine Language Programming

QTUTOR bro

Section A: M, W 10-Midnight

4 Credits

Section B: Sa, Su 1-3 p.m.

4 Credits

This course covers the basics of microcomputer design, registers, M/L monitors, addressing modes, flags, logic, and binary arithmetic. Also included is an introduction to M/L subroutines and how to link them with BASIC.

Required text: "Machine Language for the Commodore 64, 128 and Other Commodore Computers," written by Jim Butterfield.

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## English/Writing Courses

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Dept. Coordinator: QTUTOR 1k

### Creative Writing

QTUTOR cdb

Su 11 a.m.-12:30 p.m.

2 Credits

This course is intended to foster creative writing skills. Students will write their own materials and will critique others' writing. The course covers structure, style, and technique. No required textbook.

### Journalism

QTUTOR ap

M 9-10:30 p.m.

3 Credits

Learn the fast pace of the "who," "what," "when," "why," and "how" of journalistic writing.

Course materials are provided online.

### Mythology

QTUTOR djc

