

05hr_SC-JCEDCA_Misc_pt04b



Info. Hearings (February/2006) (Invest Wisconsin)

(FORM UPDATED: 08/11/2010)

WISCONSIN STATE LEGISLATURE ... PUBLIC HEARING - COMMITTEE RECORDS

2005-06

(session year)

Senate

(Assembly, Senate or Joint)

Committee on ... Job Creation, Economic Development and Consumer Affairs (SC-JCEDCA)

COMMITTEE NOTICES ...

- Committee Reports ... **CR**
- Executive Sessions ... **ES**
- Public Hearings ... **PH**

INFORMATION COLLECTED BY COMMITTEE FOR AND AGAINST PROPOSAL

- Appointments ... **Appt** (w/Record of Comm. Proceedings)
- Clearinghouse Rules ... **CRule** (w/Record of Comm. Proceedings)
- Hearing Records ... bills and resolutions (w/Record of Comm. Proceedings)
 - (**ab** = Assembly Bill) (**ar** = Assembly Resolution) (**ajr** = Assembly Joint Resolution)
 - (**sb** = Senate Bill) (**sr** = Senate Resolution) (**sjr** = Senate Joint Resolution)
- Miscellaneous ... **Misc**

The logo consists of a stylized 'V' shape formed by two overlapping curved shapes, one dark and one light, set against a dark square background.

Chippewa Valley
Technical
College

www.cvtc.edu

1-800-547-2882



www.cvtc.edu

General Information

715-833-6200

1-800-547-2882

620 W. Clairemont Ave., Eau Claire, WI 54701

Chippewa Falls Campus

770 Scheidler Road
Chippewa Falls, WI 54729
(715) 723-0261 (Voice and TTY)
1-800-511-9095

Eau Claire - Clairemont Campus

Business Education Center
620 W. Clairemont Avenue
Eau Claire, WI 54701
(715) 833-6200
1-800-547-2882
(715) 833-6254 or (715) 852-1344 (TTY)

Health Education Center
620 W. Clairemont Avenue
Eau Claire, WI 54701
(715) 833-6200
1-800-547-2882

Eau Claire - West Campus

Emergency Service Education Center
3623 Campus Road
Eau Claire, WI 54703
(715) 855-7500

Transportation Education Center

4000 Campus Road
Eau Claire, WI 54703
(715) 855-7534

Eau Claire - Gateway Campus

Manufacturing Education Center
2320 Alpine Road
Eau Claire, WI 54703
(715) 874-4600

Menomonie Campus

403 Technology Drive East
Menomonie, WI 54751
(715) 232-2685 (Voice and TTY)
1-800-622-5011

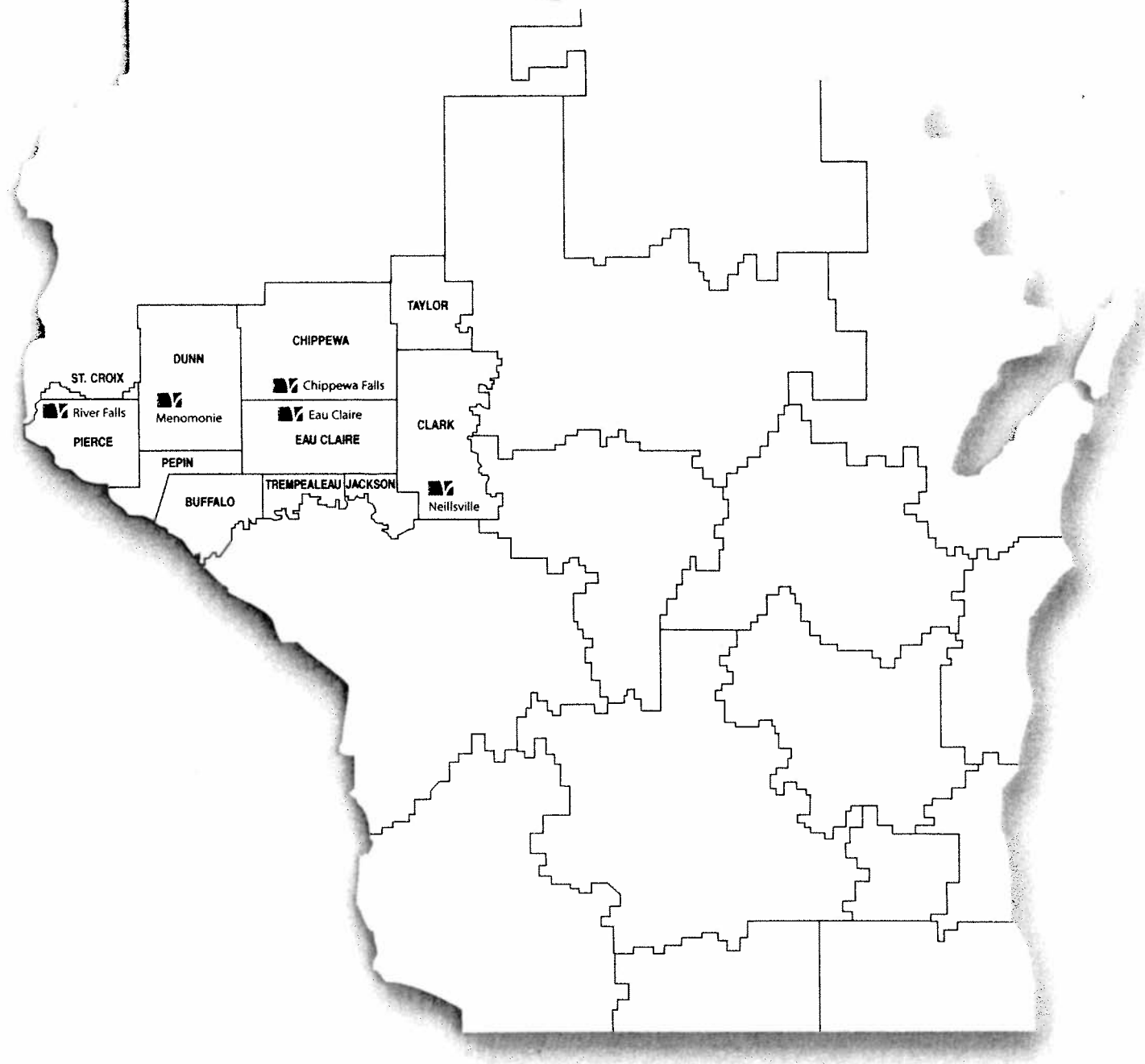
Neillsville Center

Neillsville ABE and
Business Technology labs
11 Tiff Avenue
Neillsville, WI 54456
(715) 743-3965

River Falls Campus

500 S. Wasson Lane
River Falls, WI 54022
(715) 425-3301
1-800-480-0997

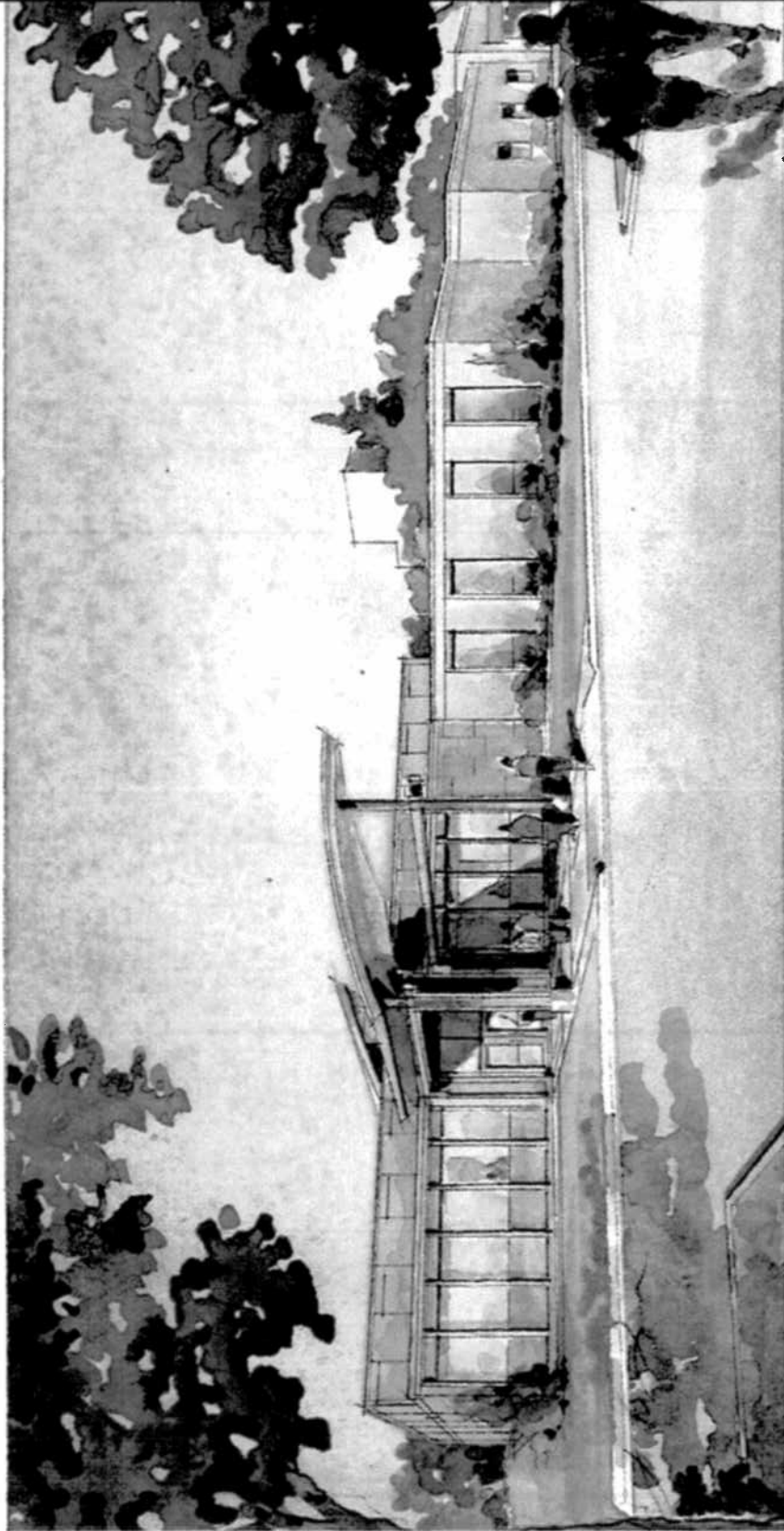
WI → Silicon Valley → MN Anne Winblad



Chippewa Valley Technical College serves an eleven county area with campuses in Chippewa Falls, Eau Claire, Menomonie, Neillsville, and River Falls. CVTC is one of the 16 colleges of the Wisconsin Technical College System.

NanoRite

A Center for
Innovation



NanoRite Partners

Chippewa Valley
Technical College

University of
Wisconsin— Eau Claire

University of
Wisconsin— Stout

Eau Claire Economic
Development Corporation

Dunn County Economic
Development Corporation

Chippewa Economic
Development Corporation

West Central Regional
Planning Commission

Wisconsin Entrepreneur
Network

State of Wisconsin

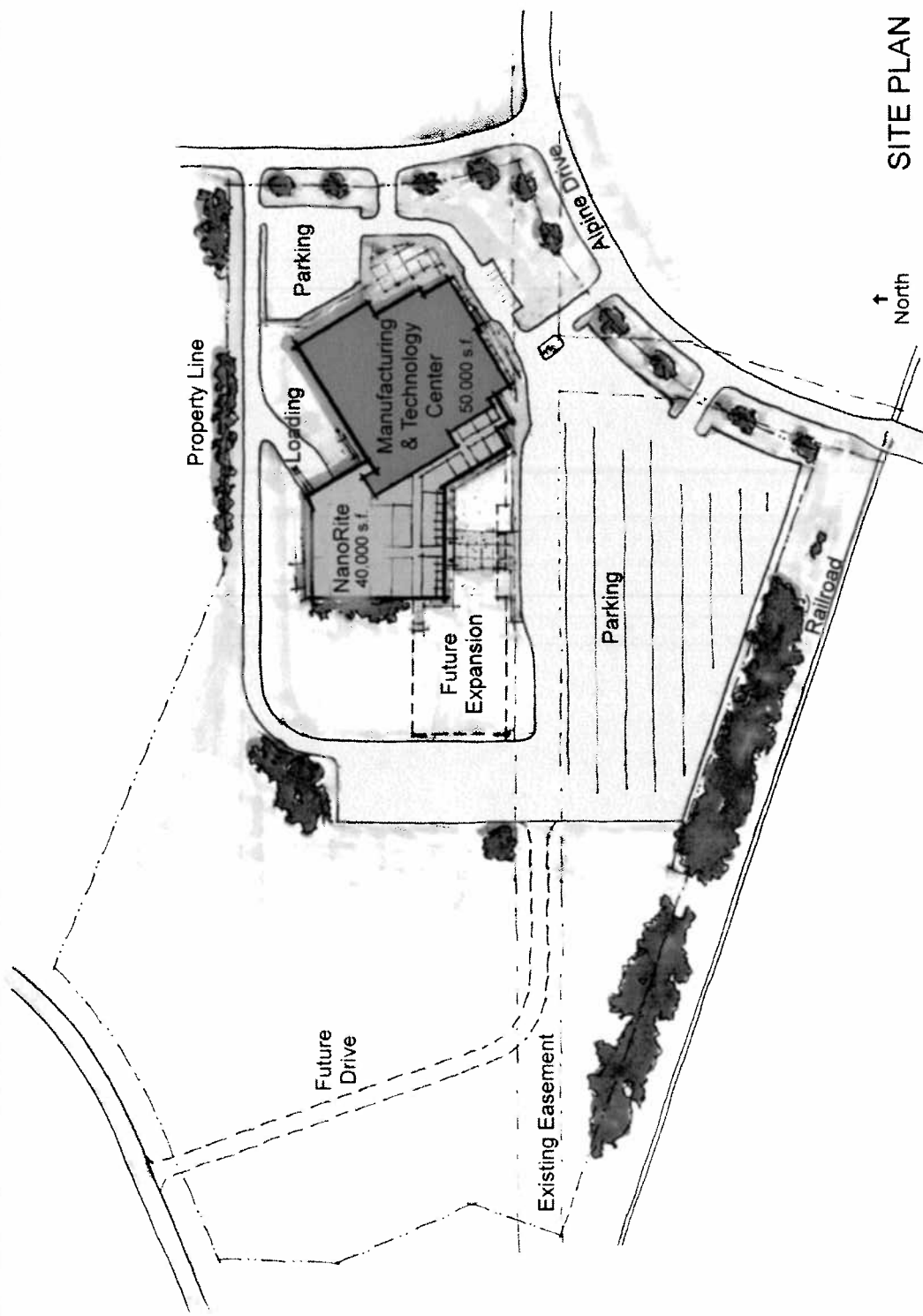
NanoRite

A Center for
Innovation

- Nanotechnology and Advanced Technology Deployment
- Advanced Technology Product Development/Design Resources
- Nanoscience Technology Education
- Patenting and Business Planning Assistance
- Intellectual Property Access
- Venture Capital/Angel Investor Linkages
- International Marketing Assistance
- Advanced Technology Applied Research

NanoRite

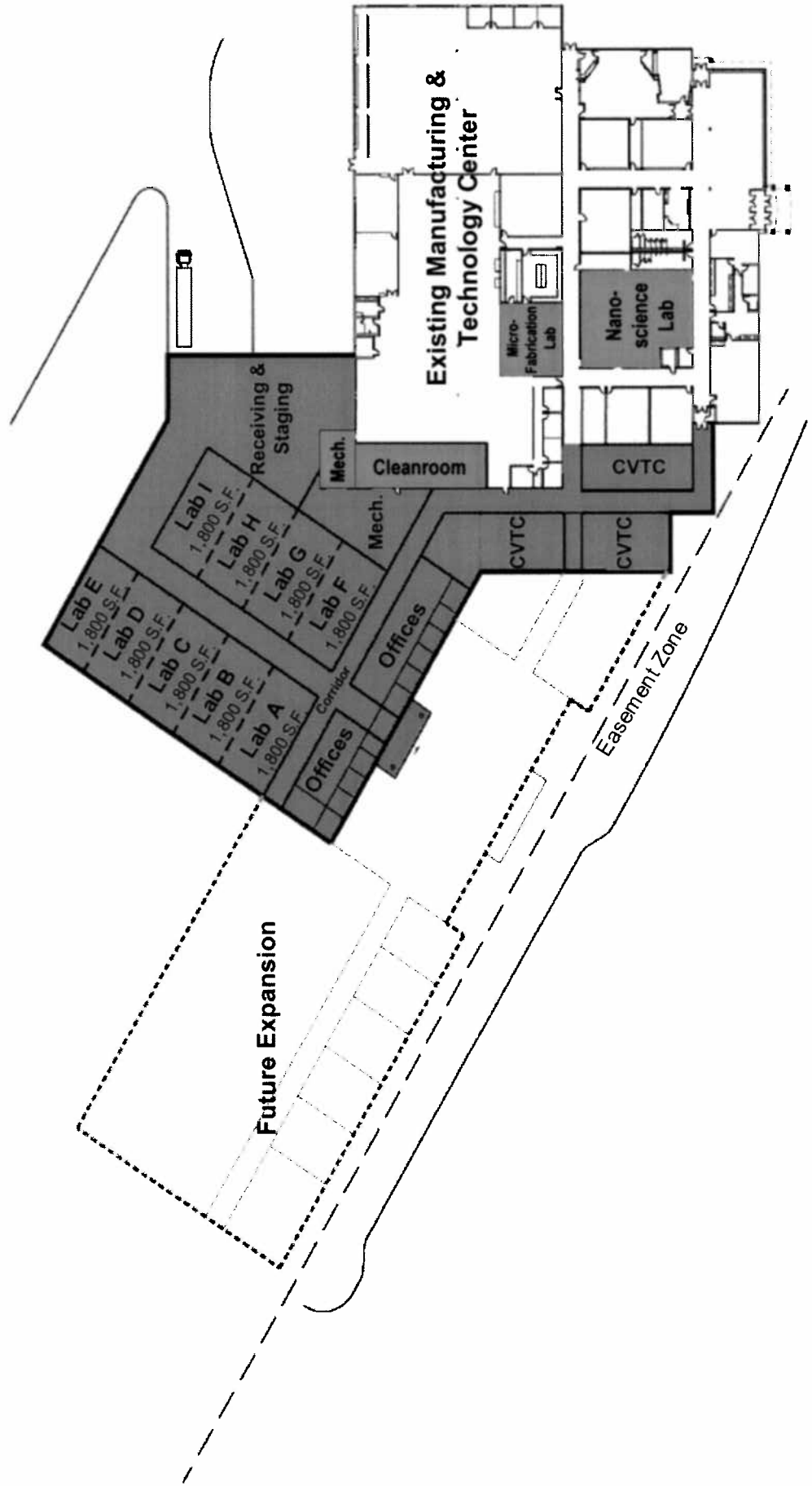
A Center for Innovation



↑ North
SITE PLAN

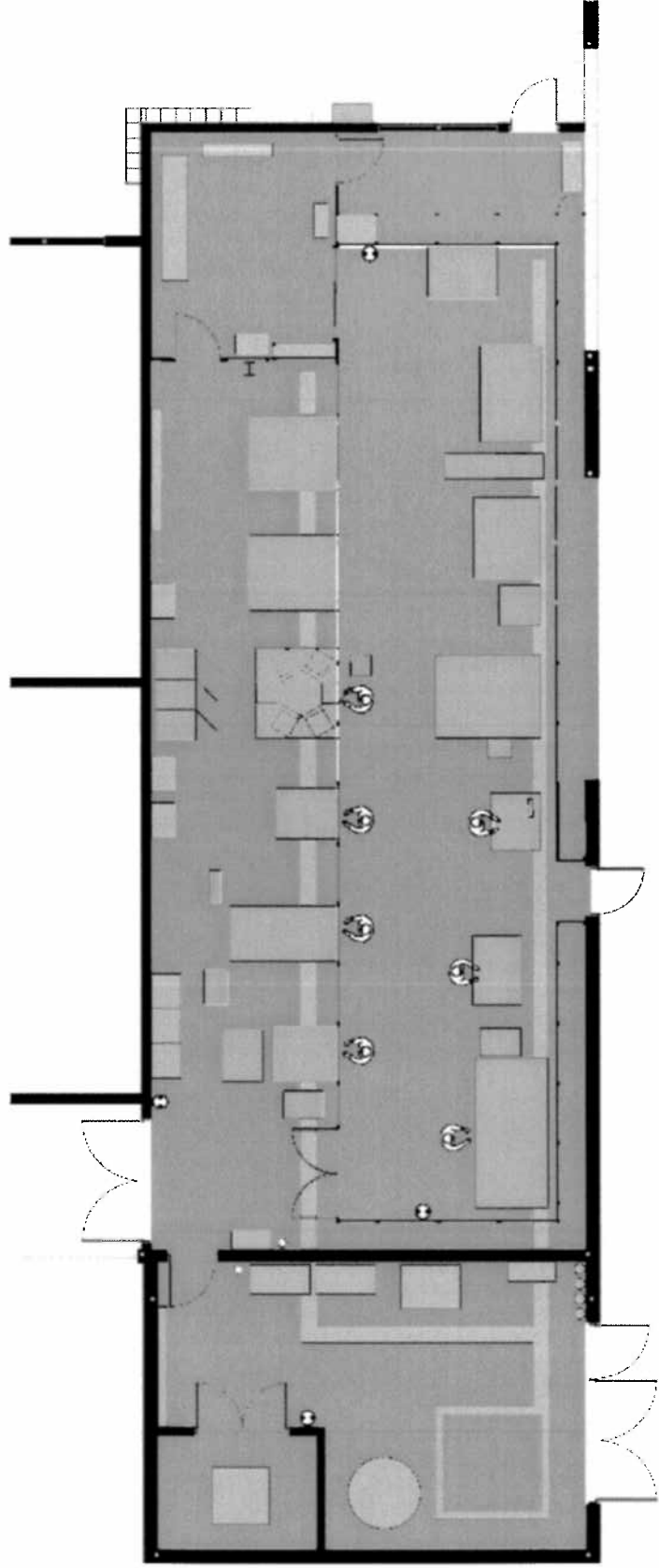
NanoRite

A Center for Innovation



NanoRite

A Center for Innovation



Cleanroom

NanoRite

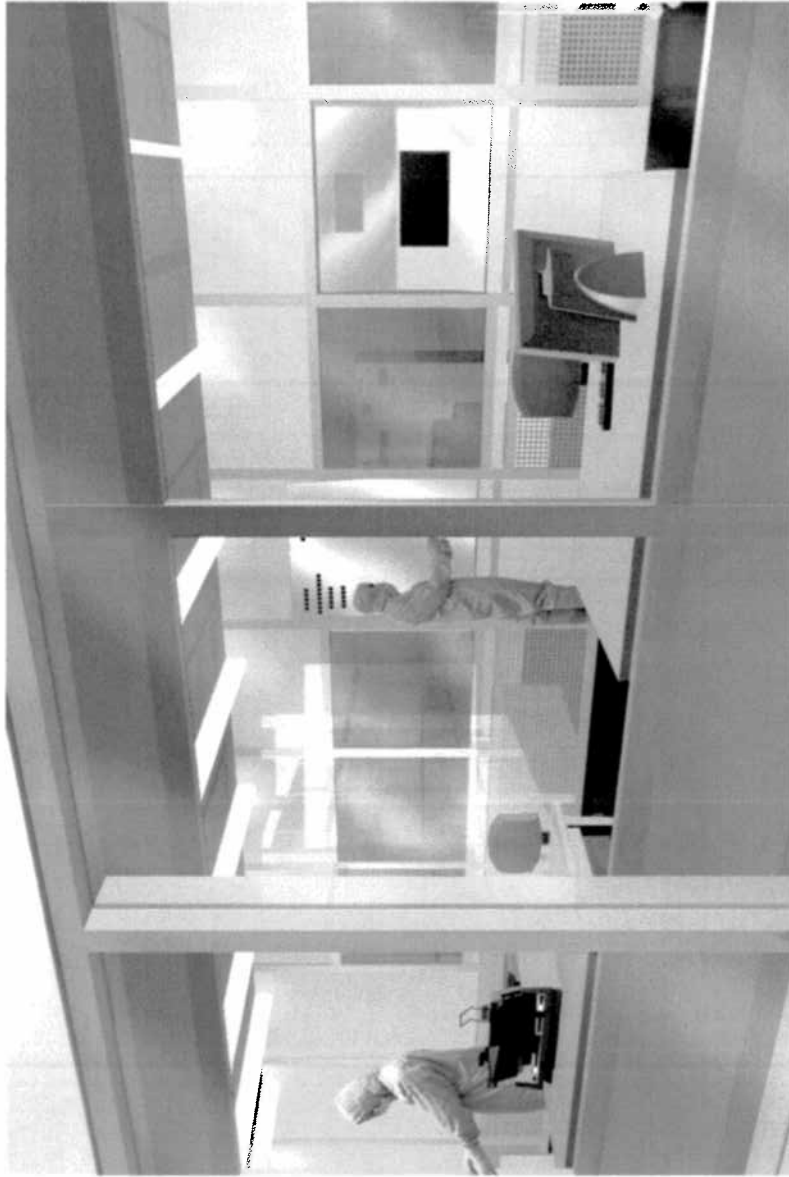
A Center for
Innovation



Cleanroom

NanoRite

A Center for
Innovation



Cleanroom

Federal Funding Requested

Appropriations

\$48,500 received in FY04 House budget
\$150,000 received in FY05 House budget
\$5.2 million requested from Senate
(equipment) FY05 budget

Economic Development Administration (EDA)

\$1.5 million Grant dependent on Program
Funding Allocation—Full Application
requested from EDA

NanoRite

A Center for
Innovation

State Funding Requested

Department of Commerce

\$500,000 over next biennium

Meeting with Governor Doyle—April 20, 2005

Meeting with Secretary of Commerce

Mary Burke—July 28, 2005

Presentation of Check from Governor

Doyle—November 28, 2005

Local Funding Match Request

Goal = \$1,000,000

Potential Funding Sources

City of Eau Claire--\$300,000

Eau Claire County--\$300,000

Chippewa County--\$100,000

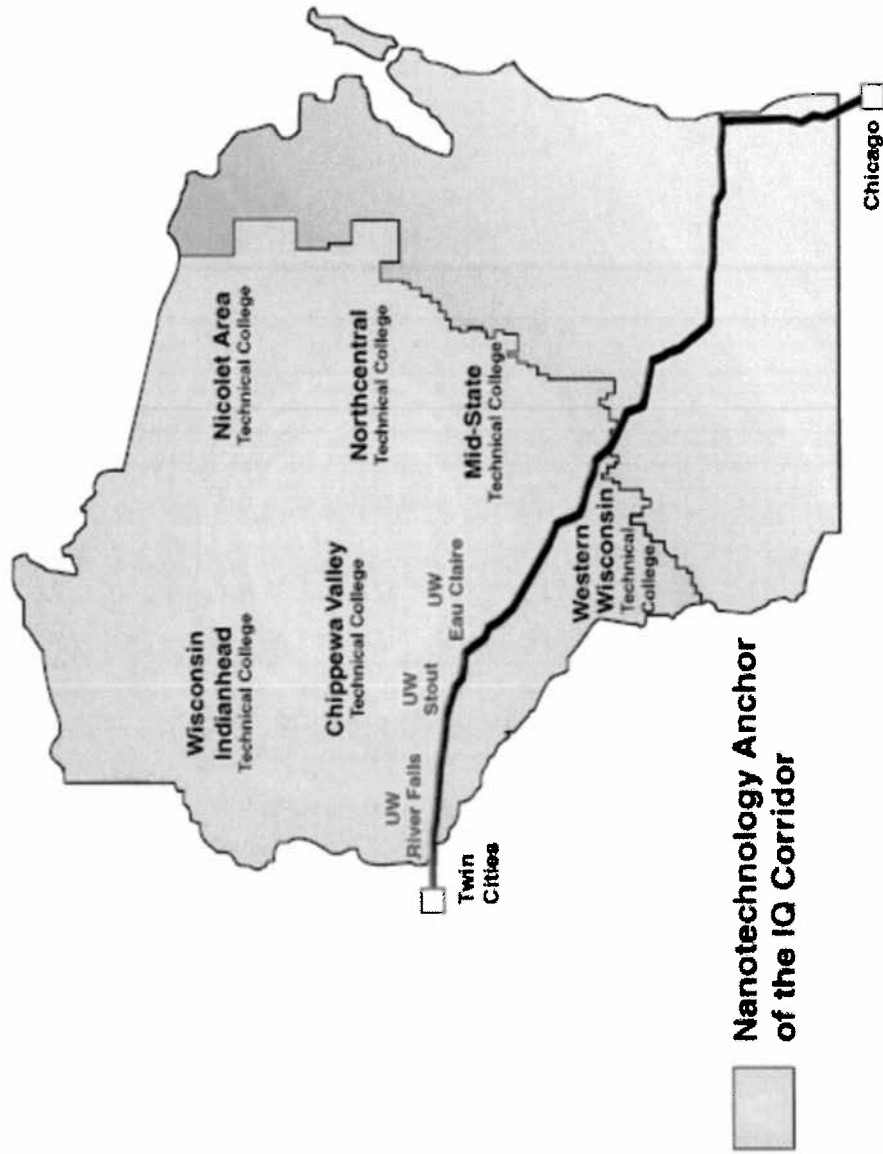
Dunn County--\$50,000

Gateway Corporation--\$500,000

Excel Energy--\$10,000

Private Sector--\$50,000

IQ Corridor



2005-2006 CVTC Catalog



[CVTC Home](#)

[Program Catalog](#)

[By Alpha](#)

[By Category](#)

[Program Videos](#)

[Certificate Catalog](#)

[Course Offerings](#)

[Previous Catalogs](#)

[Distance Learning](#)

[Department Web Sites](#)



Nanoscience Technology (10-635-1) Associate Degree-Two Years

(offered in Eau Claire)

[General Program Information](#)


[Course Information](#)


[Graduate Information](#)

[Admissions Information](#)

[60 Second Program Video](#)

[Program Information Video](#)

 Requires [Adobe Acrobat Reader](#)

 Requires [Windows Media Player](#)

This program has a January entry date.

Program Description

CVTC offers an educational opportunity for people in Wisconsin to prepare for an exciting field of work in nanotechnology. A partnership with the University of Minnesota will enable students to begin their education at Chippewa Valley Technical College and complete it at the University of Minnesota. The program of study will prepare students to work in nanobio/agricultural, nanomaterials, and nanoelectronics careers. Students will take their first three semesters at Chippewa Valley and the final capstone semester at the U of M in their Nanofabrication Center, Characterization Facility, and Particle Technology Labs.

Program Admission Requirements

- Complete COMPASS pre-entry assessment. Applicants must achieve minimum scores of 80 on the Reading portion and 45 on the Pre-Algebra portion.
- Must have two semesters of high school algebra, biology, and chemistry with grades of 'C' or better. College or university classes in algebra, advanced math, biology or chemistry are also accepted.

Helpful Academic Background

- College preparatory mathematics, typically called the pre-calculus courses: Algebra 1, Algebra 2, Trigonometry, and Analytical Geometry
- Physics
- Computer knowledge
- Ability to work as a team member
- Use of logical problem-solving techniques

Messages

For more information about this program, contact the program counselor at 1-800-547-2882 or 715-833-6346.

For general admissions information, contact the Admissions Office at 1-800-547-2882 or 715-833-6246.

2005-2006 CVTC Catalog



[CVTC Home](#)

[Program Catalog](#)

[By Alpha](#)

[By Category](#)

[Program Videos](#)

[Certificate Catalog](#)

[Apprenticeships](#)

[Course Offerings](#)

[Previous Catalogs](#)





[Distance Learning](#)



[Department Web Sites](#)

Nanoscience Technology (10-635-1) Associate Degree-Two Years

(offered in Eau Claire)

[General Program Information](#)
[Course Information](#)
[Graduate Information](#)

[Program Requirement Sheet](#) 
[Admissions Information](#) 
[60 Second Program Video](#) 
[Program Information Video](#) 

 Requires [Adobe Acrobat Reader](#)
 Requires [Windows Media Player](#)

Sample Program Course Sequence

(Click on course title for description)

[Printer friendly version with course descriptions](#)

	FIRST TERM		Credits	Sections for Spring 2006
	635-100	Fundamentals of Nanoscience I	3	Search
+	801-195	Written Communications	3	Search
	804-118	Interm Algebra w Apps	4	Search
	806-134	General Chemistry	4	Search
			14	
	SECOND TERM			
+	801-196	Oral/Interpersonal Comm	3	Search
+	809-199	Psychology of Human Relations	3	Search
			6	
	THIRD TERM			
*	635-101	Fundamentals of Nanoscience II	3	Search
*	804-189	Introductory Statistics	3	Search
	806-114	General Biology	4	Search
*	806-154	General Physics 1	4	Search
+	809-197	Contemporary American Society	3	Search
			17	
	FOURTH TERM			
*	635-103	Nanoelectronics	3	Search
*	635-104	Nanobiotechnology/Agricultural	3	Search
*	635-105	Nanomaterials	3	Search
*	635-117	Nanoscience Manufacturing	3	Search
+*	801-197	Technical Reporting	3	Search



15

FIFTH TERM

* 635-108	<u>Micro and Nano Fabrication</u>	3	<u>Search</u>
* 635-109	<u>Princ & Applic Nanobiotechnlgy</u>	3	<u>Search</u>
* 635-110	<u>Thin Film Deposition</u>	4	<u>Search</u>
* 635-111	<u>Intro to Materials Characteriz</u>	3	<u>Search</u>
* 635-112	<u>Micro & Nano Fabrication Lab</u>	1	<u>Search</u>
* 635-113	<u>Materials Characterization Lab</u>	1	<u>Search</u>
* 635-114	<u>Nanoparticles & Biochips Lab</u>	1	<u>Search</u>

16

SIXTH TERM

* 635-115	<u>Industry Internship Experience</u>	1	<u>Search</u>
-----------	---------------------------------------	---	---------------

1

+ *May be offered as distance learning*

* *Prerequisite required; see course description*

Minimum Program Credits Required - 69

Chippewa Valley Technical College

Nanoscience Technology (10-635-1)

2005-2006 College Catalog

Sample Program Course Sequence

FIRST TERM		Credits
* 635-100	Fundamentals of Nanoscience I	3
+ 801-195	Written Communications	3
804-118	Interm Algebra w Apps	4
806-134	General Chemistry	4
		14
SECOND TERM		
+ 801-196	Oral/Interpersonal Comm	3
+ 809-199	Psychology of Human Relations	3
		6
THIRD TERM		
* 635-101	Fundamentals of Nanoscience II	3
* 804-189	Introductory Statistics	3
806-114	General Biology	4
* 806-154	General Physics I	4
+ 809-197	Contemporary American Society	3
		17
FOURTH TERM		
* 635-103	Nanoelectronics	3
* 635-104	Nanobiotechnology/Agricultural	3
* 635-105	Nanomaterials	3
* 635-117	Nanoscience Manufacturing	3
+* 801-197	Technical Reporting	3
		15
FIFTH TERM		
* 635-108	Micro and Nano Fabrication	3
* 635-109	Princ & Applic Nanobiotechnlgy	3
* 635-110	Thin Film Deposition	4
* 635-111	Intro to Materials Characteriz	3
* 635-112	Micro & Nano Fabrication Lab	1
* 635-113	Materials Characterization Lab	1
* 635-114	Nanoparticles & Biochips Lab	1
		16
SIXTH TERM		
* 635-115	Industry Internship Experience	1
		1

+ May be offered as distance learning

* Prerequisite required; see course description

Minimum Program Credits Required - 69

Course Descriptions

635-100 Fundamentals of Nanoscience I

Nanotechnology, a result of the capability to observe and manipulate systems at the molecular or atomic scale, is affecting all traditional sciences. This course will provide an introduction to the history, tools, materials, and current and emerging applications of Nanotechnology. This will include the study of electron microscopes, scanning probe microscopes, clean room technology, and vacuum technology. The application of Nanotechnology to fields such as electronics, materials, energy, biology, and agriculture will be studied. Prerequisite(s): 806-134 General Chemistry (or taken concurrently). Restricted to students admitted to the following program(s): 10-635-1 Nanoscience Technology.

635-101 Fundamentals of Nanoscience II

This course will cover nanoscience aspects as they relate to the fields of chemistry and physics. Emphasis in this course is on the impact of new developments in nanotechnology. Atomic structure, bonding, photonics, quantum effects, and wave/particle structure will be discussed with a focus on nanotechnology. Feasibility of implementation will be covered as well as the development of a nanoscale understanding of properties such as color, magnetism, electrical forces, strength, rigidity, and SPM and electron microscopy operation. Prerequisite(s): 635-100 Fundamentals of Nanoscience I.

635-103 Nanoelectronics

This course will cover the state-of-the-art processes currently used for the fabrication of microelectronic and nanoelectronic devices. We will learn to qualify and use semiconductor process equipment, inspect devices using an atomic force microscope and a scanning electron microscope and perform electrical measurements on semiconductor devices. These processes will then be evaluated in light of recent nanoscience advances such as carbon nanotube connectors, biological transistors, and entirely photonic systems. Considerations such as cost, manufacturing methodology, and societal impacts will be covered. Approaches for the development of quantum computers, holographic memories, and biological systems will be discussed. Prerequisite(s): 635-101 Fundamentals of Nanoscience II.

635-104 Nanobiotechnology/Agricultural

In this course we will study the use of nanotechnology as it applies to biological and agricultural applications. Some examples include biochips used for detecting and identifying DNA and proteins, medical uses of nanotechnology for drug delivery and medical imaging,

mimicking biological systems to develop catalysts, nanoscale movement and information systems. We will study nanotechnology for agricultural applications such as ethanol production, sorbitol based fuel cells, genetics, and uses of cellulose. Prerequisite(s): 635-101 Fundamentals of Nanoscience II and 806-114 General Biology.

635-105 Nanomaterials

Materials based on nanoparticles are already in the marketplace. This course will discuss the opportunity and challenge of nanomaterial based products from pharmaceutical coatings to smog reducing paints to individual crystal structure determination.

Manufacturing processes along with reliability and quality control aspects will be discussed. Prerequisite (s): 635-101 Fundamentals of Nanoscience II. Co-requisite(s): 623-125 Statistical Process Control.

635-108 Micro and Nano Fabrication

Students will learn atomic structure and the periodic table, particularly as related to semiconductors; the meaning of semiconductor materials, their functions and use; differences between single crystal and polycrystalline materials; operations of diffusion and thin film deposition and how photolithography and masking work in the semiconductor process; oxidation process; etching, including wet and dry etching and photoresist stripping; doping, including diffusion techniques and ion implantation; thin film deposition, including CVD, LPCVD and metallization methods; wafer terminology, testing, evaluation, and yield factors. Prerequisite(s): 635-103 Nanoelectronics and 635-104 Nanobiotechnology/Agricultural and 635-105 Nanomaterials. Co-requisite(s): 635-109 Princ & Applic Nanobiotechnlgy and 635-110 Thin Film Deposition and 635-111 Intro to Materials Characteriz and 635-112 Micro & Nano Fabrication Lab and 635-113 Materials Characterization Lab and 635-114 Nanoparticles & Biochips Lab.

635-109 Princ & Applic Nanobiotechnlgy

The course will focus on science and engineering miniaturization technologies applied to discrete and multiplexed biochemical analysis. After describing several large opportunity goals and objectives in modern genomics, proteomics, biomarker discovery, drug discovery, biowarfare agent detection, and systems biology, this course will survey several core engineering approaches used in meeting the needs of multiplexed bioanalysis, like MEMS, nanofabrication, nanostructures and materials, biosensors, microfluidics and lab-on-a-chip biochemical processors, microarrays, cellular manipulation tools, and portable analysis instruments. Prerequisite(s): 635-103 Nanoelectronics and 635-104 Nanobiotechnology/Agricultural and 635-105 Nanomaterials. Co-requisite(s): 635-108 Micro and Nano Fabrication and 635-110 Thin Film Deposition and 635-111 Intro to Materials Characteriz and 635-112 Micro & Nano Fabrication Lab and 635-113 Materials Characterization Lab and 635-114 Nanoparticles & Biochips Lab.

635-110 Thin Film Deposition

Students will learn about and work with thin film metals and oxides; be exposed to photo lithography and methods of deposition in HV and UHV range including vacuum evaporation, sputtering methods, and chemical vapor deposition. Prerequisite(s): 635-103

Nanoelectronics and 635-104

Nanobiotechnology/Agricultural and 635-105

Nanomaterials. Co-requisite(s): 635-108 Micro and

Nano Fabrication and 635-109 Princ & Applic

Nanobiotechnlgy and 635-111 Intro to Materials

Characteriz and 635-112 Micro & Nano Fabrication

Lab and 635-113 Materials Characterization Lab and

635-114 Nanoparticles & Biochips Lab.

635-111 Intro to Materials Characteriz

Students will receive hands-on experience with the characterization of engineering materials. Familiarity will be gained with the electron/optical microscopy, atomic force microscopy, x-ray diffraction, and spectroscopic methods. Students will perform specimen

preparation; data collection/analysis and complete lab

notes. Prerequisite(s): 635-103 Nanoelectronics and

635-104 Nanobiotechnology/Agricultural and 635-105

Nanomaterials. Co-requisite(s): 635-108 Micro and

Nano Fabrication and 635-109 Princ & Applic

Nanobiotechnlgy and 635-110 Thin Film Deposition

and 635-112 Micro & Nano Fabrication Lab and 635-

113 Materials Characterization Lab and 635-114

Nanoparticles & Biochips Lab.

635-112 Micro & Nano Fabrication Lab

This lab covers the basic process steps to make top-down micro and nano scaled structures. Specific topics include oxidation, photolithography, electron beam

lithography, chemical vapor deposition, etching, rapid

thermal annealing, wet chemical etching, and plasma

etching. Students will build a micro mechanical

structure as part of the lab. Prerequisite(s): 635-103

Nanoelectronics and 635-104

Nanobiotechnology/Agricultural and 635-105

Nanomaterials. Co-requisite(s): 635-108 Micro and

Nano Fabrication and 635-109 Princ & Applic

Nanobiotechnlgy and 635-110 Thin Film Deposition

and 635-111 Intro to Materials Characteriz and 635-113

Materials Characterization Lab and 635-114

Nanoparticles & Biochips Lab.

635-113 Materials Characterization Lab

The lab will cover the characterization of engineering materials by electron/optical microscopy, atomic force

microscopy, x-ray diffraction, and spectroscopic

methods; specimen preparation; data

collection/analysis; and lab note taking. Prerequisite(s):

635-103 Nanoelectronics and 635-104

Nanobiotechnology/Agricultural and 635-105

Nanomaterials. Co-requisite(s): 635-108 Micro and

Nano Fabrication and 635-109 Princ & Applic

Nanobiotechnlgy and 635-110 Thin Film Deposition

and 635-111 Intro to Materials Characteriz and 635-112

Micro & Nano Fabrication Lab and 635-114

Nanoparticles & Biochips Lab.

635-114 Nanoparticles & Biochips Lab

This lab will cover particle formation and size measurement; aerosol sampling; optical and condensation counters; and fabrication and testing of an electrophoresis biochip. Prerequisite(s): 635-103 Nanoelectronics and 635-104

Nanobiotechnology/Agricultural and 635-105 Nanomaterials. Co-requisite(s): 635-108 Micro and Nano Fabrication and 635-109 Princ & Applic Nanobiotechnlgy and 635-110 Thin Film Deposition and 635-111 Intro to Materials Characteriz and 635-112 Micro & Nano Fabrication Lab and 635-113 Materials Characterization Lab.

635-115 Industry Internship Experience

Students will participate in a work experience where s/he will have an opportunity to practice acquired skills and knowledge from their program coursework. Individuals will be able to further develop their learning goals which may include career, academic, skill, and personal. Prerequisite(s): 635-114 Nanoparticles & Biochips Lab.

635-117 Nanoscience Manufacturing

This course will present an overview of quality methods as they relate to nanotechnology. Emphasis will be on statistical process control (SPC), design of experiments (DOE), gage repeatability and reliability (R & R), statistical significance, correlation, team-based problem solving, failure mode analysis, theory of inventive thinking (TRIZ), graphical statistical analysis, analysis of variance (ANOVA), and an introduction to ISO certification. A strong statistics background is required. Prerequisite(s): 804-189 Introductory Statistics.

801-195 Written Communications

Develops writing skills which include prewriting, drafting, revising, and editing. A variety of writing assignments are designed to help the learner analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. It also develops critical reading and thinking skills through the analysis of a variety of written documents.

801-196 Oral/Interpersonal Comm

Focuses upon developing speaking, verbal and nonverbal communication, and listening skills through individual presentations, group activities, and other projects.

801-197 Technical Reporting

Prepares and presents oral and written technical reports. Types of reports may include lab and field reports, proposals, technical letters and memos, technical research reports, and case studies. Designed as an advanced communication course for students who have completed at least the prerequisite introductory writing course. Prerequisite(s): 801-195 Written Communications.

804-118 Interm Algebra w Apps

This course offers algebra content with applications. Topics include properties of real numbers, order of

operations, algebraic solution for linear equations and inequalities, operations with polynomial and rational expressions, operations with rational exponents and radicals, algebra of inverse, logarithmic and exponential functions. Prerequisite: high school algebra or 854-771, or an equivalent as determined by the Math Department Chair.

804-189 Introductory Statistics

Students taking this course will learn to display data with graphs, describe distributions with numbers, perform correlation and regression analyses, and design experiments. They will use probability and distributions to make predictions, estimate parameters, and test hypotheses. They will learn to draw inferences about relationships including ANOVA. Prerequisite(s): (804-113 College Technical Math 1A or 804-115 College Technical Math 1) or 804-118 Interm Algebra w Apps.

806-114 General Biology

Introduces general biological concepts and principles. Emphasis is on cell structure and function, genetics, evolution, and taxonomical relationships. Consideration is also given to diversity among the various kingdoms.

806-134 General Chemistry

Covers the fundamentals of chemistry. Topics include the metric system, problem-solving, periodic relationships, chemical reactions, chemical equilibrium, properties of water; acids, bases, and salts; and gas laws. Prerequisite of 854-771 and 856-771 or high school chemistry and algebra.

806-154 General Physics 1

An overview of various physics topics, routinely covered in an introductory physics course, is presented with appropriate accompanying experiments. Included topics are: mechanics, properties of materials, heat, and sound. In addition to the technical science information given, an ability to solve problems, responsibility and initiative is emphasized. Prerequisite(s): (804-113 College Technical Math 1A and 804-114 College Technical Math 1B) or 804-115 College Technical Math 1.

809-197 Contemporary American Society

This course examines the network of interdependent social systems that affect learners as employees, family members, and citizens. In this interdisciplinary course learners will study public policy issues that illustrate how our traditional institutions such as family, education, government, work, and media are being changed by global, political, demographic, multicultural, and technological trends. By exploring contemporary issues, learners will expand their use of creative and critical thinking skills in evaluating information, making decisions, advocating positions, and participating in the democratic process. Emphasis is placed on the foundation and structure of American society and the impact that diversity has on its institutions.

809-199 Psychology of Human Relations

Students will become acquainted with the basic theories

operations, algebraic solution for linear equations and inequalities, operations with polynomial and rational expressions, operations with rational exponents and radicals, algebra of inverse, logarithmic and exponential functions. Prerequisite: high school algebra or 854-771, or an equivalent as determined by the Math Department Chair.

804-189 Introductory Statistics

Students taking this course will learn to display data with graphs, describe distributions with numbers, perform correlation and regression analyses, and design experiments. They will use probability and distributions to make predictions, estimate parameters, and test hypotheses. They will learn to draw inferences about relationships including ANOVA. Prerequisite(s): (804-113 College Technical Math 1A or 804-115 College Technical Math 1) or 804-118 Interm Algebra w Apps.

806-114 General Biology

Introduces general biological concepts and principles. Emphasis is on cell structure and function, genetics, evolution, and taxonomical relationships. Consideration is also given to diversity among the various kingdoms.

806-134 General Chemistry

Covers the fundamentals of chemistry. Topics include the metric system, problem-solving, periodic relationships, chemical reactions, chemical equilibrium, properties of water; acids, bases, and salts; and gas laws. Prerequisite of 854-771 and 856-771 or high school chemistry and algebra.

806-154 General Physics 1

An overview of various physics topics, routinely covered in an introductory physics course, is presented with appropriate accompanying experiments. Included topics are: mechanics, properties of materials, heat, and sound. In addition to the technical science information given, an ability to solve problems, responsibility and initiative is emphasized. Prerequisite(s): (804-113 College Technical Math 1A and 804-114 College Technical Math 1B) or 804-115 College Technical Math 1.

809-197 Contemporary American Society

This course examines the network of interdependent social systems that affect learners as employees, family members, and citizens. In this interdisciplinary course learners will study public policy issues that illustrate how our traditional institutions such as family, education, government, work, and media are being changed by global, political, demographic, multicultural, and technological trends. By exploring contemporary issues, learners will expand their use of creative and critical thinking skills in evaluating information, making decisions, advocating positions, and participating in the democratic process. Emphasis is placed on the foundation and structure of American society and the impact that diversity has on its institutions.

809-199 Psychology of Human Relations

Students will become acquainted with the basic theories