

Welcome to **BASIC ALGEBRA (part 2)**. I'm looking forward to taking you to the next level in the exciting world of Algebra! I hope my experience as an aerospace engineer and engineering manager will help make this material more "real" for you. Our future depends on engineers, scientists and problem solvers of all sorts. The study of mathematics provides you with the foundation you need to take on these challenges. I am proud to help lay that foundation.

Course ID	Room	Units	Days	Start Time	End Time
MAT 152B-04	A250	4	T, Th	6:00 PM	7:50 PM

INSTRUCTOR: Bruce Brant

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OFFICE HOURS: Tuesday 9-10 AM, Rm A250

LTCC MATH PAGE: <http://www.ltcc.edu/web/academics/mathematics>

TEXTBOOK: *Beginning & Intermediate Algebra*, by Elayn, Martin-Gay, 5th Edition

REQUIRED SOFTWARE LICENSE:

- A software license to use MyMathLab is required for this class. You will do all of your homework in this software. Your progress in the class (including your scores and overall grade) is maintained and can be accessed at any time here. It also gives you access to an on-line version of the textbook.
- The license is available for an additional fee when you purchase a new textbook. The license can also be purchased separately at the bookstore. Or you can purchase the license on-line at: <http://www.pearsonmylabandmastering.com/northamerica/?cc>. If you are having trouble getting the license in a timely manner, I recommend that you take advantage of the temporary license they offer so that you do not get behind in your work
- Course website: www.mymathlab.com
- MAT 152B-03 course id is **brant99005**
- For technical support call 1-800-677-6337, Mon – Fri 12:00 PM to 8:00 PM EDT
- Online technical support is available 24 hours every day at: <http://247pearsoned.custhelp.com>

CAMPUS COMPUTER RESOURCES:

Computers with internet access are available for your use on campus. Check posted hours.

- Learning Assistance Center/Math Success Center (A201)
- Open Labs in the D-wing
- Library

CLASSROOM EXPECTATIONS: 100% focus on math! Be on-time. Be prepared. Respect your classmates. Please keep electronic devices turned off.

COURSE DESCRIPTION: Basic Algebra (part 2) completes your foundational understanding of Algebra and prepares you for Intermediate Algebra (MAT 154A).

**STUDENT LEARNING
OUTCOMES:**

1. Factor polynomials
2. Apply the four basic mathematical operations to rational and radical expressions.
3. Solve equations with rational and radical expressions.
4. Solve a 2x2 system of linear equations
5. Solve quadratic equations.
6. Apply course topics to real-world situations

GRADING POLICY:

Your overall score in this class is computed from your work as follows.

Homework	20%
Quizzes	30%
Exams	30%
Final	20%

Note: you must pass the final to pass the course

Your letter grade will be based on your overall score as follows.

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	less than 60%

HOMEWORK:

Math Homework will be done online using MyMathLab. Homework is generally due by the next class after it is assigned. Specific due dates are posted on MyMathLab. You are encouraged to work on homework even if you miss the due date. But there is a 10% per day penalty for late work.

It is critical that you attempt to solve HW problems on your own. But if you get stuck, don't give up – take advantage of the following resources for assistance.

- Review your class notes
- Consult a fellow classmate
- Visit the tutoring center (A201)
- Use MyMathLab online help tools
- Contact your instructor

TESTING: All testing is done in class and graded by hand. Electronic devices of any kind are prohibited during testing and their use will result in a score of 0.

NOTES: You are allowed to use one 3x5 card of notes (front and back) during exams. No notes are allowed on quizzes.

MAKE-UPS: - **Exams** can be made up for excused absences if I am notified in advance of the absence. Exams are made up in the TLC – it is your responsibility to make an appointment at least 24 hours in advance by visiting the TLC, calling (530)541-4660 x 740, or e-mailing: TLCProctors@itcc.edu.
- **Quizzes** cannot be made up. However, you may opt to replace one (and only one) quiz score with your score on a special project. Coordinate with me for projects and details if you want to exercise this option.

ATTENDANCE: It is in your best interest to attend class regularly.

If you miss a class, it is your responsibility to learn the material from that session on your own.

I reserve the right to drop students who do not attend regularly or keep up with the work.

**HOW TO SUCCEED
IN A COLLEGE
MATH CLASS:**

1. Complete all homework assignments on time.
2. Study for all quizzes and exams.
3. Don't give up: Attempt to solve problems on your own before seeking help
But seek help before you get too frustrated
4. Check your work
5. Attend class

COMMUNICATION: You can communicate with me outside of class by office visit, phone or e-mail. I have a life outside of LTCC and cannot always respond as quickly as you might like. So don't wait until the last minute to get your issues resolved.

LEARNING DISABILITIES: If you have a certifiable learning disability that may affect your performance in this class, be sure to discuss your special needs with your instructor and the Disability Resource Center (DRC) during the first week of class. Learning disabilities will be accommodated and all information will remain confidential.

The DRC is located in room A205. Or call 530-541-4660 ext. 249. TTY for hearing impaired – call 530-542-1870

FINANCIAL ASSISTANCE: If you need help paying for your books or other expenses, call our Financial Aid Officer, America Ramirez, at 541-4660 x236, email her at Ramirez@ltcc.edu, or drop by A100.

ACADEMIC DISHONESTY (CHEATING): Academic dishonesty of any form will not be tolerated. Students caught cheating on exams or quizzes will receive a **zero** on the assignment for the first offense and a course grade of F for the second offense.

Cheating will be defined as but not limited to: (1) using any method to copy another's work on an exam, quiz, or final (2) directly copying another student's homework assignment (3) using any method other than your own honest efforts to complete homework, quizzes and exams.

The following activities are NOT cheating: (1) collaborating with other students to complete homework assignments (2) working with math tutors or academic coaches to complete homework assignments (3) studying with other students for quizzes and exams.

MAT 152B-04 Class Schedule

Date	Sections	Topics	Homework Due
T 4/8	8.4, 5.3, 6.1 6.1, 6.2	Variation; Multiplying polynomials; Greatest Common Factor (GCF) Factoring by grouping; Factoring trinomials	T 4/15, 6PM
T 4/15	****	Quiz 1 (5.3, 6.1 - 6.3, 8.4) ****	
T 4/15	6.3, 6.4, 6.5 6.6, 6.7	More trinomial factoring, Factoring with special patterns Solving equations by factoring	T 4/22, 6PM
T 4/22	****	Quiz 2 (6.4 - 6.7) ****	
T 4/22	7.1, 7.2 7.3, 7.4	Rational expressions (simplify, multiply, divide) Rational expressions (add/subtract)	T 4/29, 6PM
T 4/29		Exam 1 review Exam 1 (5.3, 6.1 - 6.7, 7.1 - 7.4, 8.4)	
T 5/6	7.5, 7.6 7.7, App B3	Rational expression applications Simplify rational expressions and those w neg. exponents; Lines	T 5/13, 6PM
T 5/13	****	Quiz 3 (7.5 - 7.7, App B3) ****	
T 5/13	4.1, 4.2 4.2, 4.3	Solve Systems of linear equations (graphing, substitution) Solve Systems of linear equations (substitution, elimination)	T 5/20, 6PM
T 5/20	****	Quiz 4 (4.1 - 4.3) ****	
T 5/20	9.1, 9.2 9.3, 10.1	Inequalities; Absolute value Absolute value inequalities; Square, cube, n^{th} root functions	T 5/27, 6PM
T 5/27	****	Quiz 5 (9.1 - 9.3, 10.1) ****	
T 5/27	10.2, 10.3 10.4, 10.5	Rational exponents, distance and midpoint formulas Add/subtract/multiply radical expressions; Rationalize denominators	T 6/3, 6PM
T 6/3		Exam 2 review Exam 2 (4.1 - 4.3, 7.5 - 7.7, 9.1 - 9.3, 10.1 - 10.5, App B3)	
T 6/10	10.6, 10.7 11.1, 11.2	Solve problems with radicals; Complex numbers Quadratic equations: Completing the square; Quadratic formula	T 6/17, 6PM
T 6/17	11.2, 11.3	Discriminant; Applications Review for final exam	
T 6/24		Final exam (covers entire course)	6PM