Two Paths to Completing
Intro Chem 1 at UM-St. Louis

1. **CHEM 1111 Introductory Chemistry I:** (5 semester hours). This is a traditional path for completing this course. It has a national standard and nationally has a 35% failure rate. This is the best path for students who are well trained in linear logic, well organized in time management, have had some background in Chemistry and are driven to hard work by nature. Generally, pre-med/engineering/professional students tend to do well in this course. In order to succeed in this course, students are expected to hit the ground running and never look back. This course does not allow for any personal/family emergencies. The main advantage of this course is that you will complete it in one semester.

2. **CHEM 1111 -Introductory Chemistry 1 - Modular Format** - (1 Credit hour per module - 5 modules). This set of courses (Chem 1111A, Chem 1111B, Chem 1111C, Chem 1111D and Chem 1111L) is designed for students who want to learn Chemistry at a pace that is comfortable to them. You are allowed to take one or more credit hours per semester and thus complete the whole course within a time period that suits your needs. Connection between the traditional and this path is illustrated in the next page. If you complete your registered modules early and wish to enroll in the next credit hour late in the semester, you will be allowed to do so. My personal experienced suggestion is that if you are not comfortable putting yourself through rigors of traditional Chem 1111, you should register for 2 credit hours (Chem 1111A and Chem 1111B) in the first semester and 3 credit hours (Chem 1111C, Chem 1111D and Chem 1111L) in the next. Past students have found first two credit hours to be most difficult to complete and next 3 credit hours to be relatively easy.

I sincerely hope that you will give thoughtful considerations to how you want this semester to go and reach out to me if you need clarification or help in making your decision. My goal is to help you succeed to the best of my ability in the path you have chosen. I look forward to spending the next semester helping you achieve your goal.

Sincerely yours

Valerian T. D’Souza, Ph.D.
Associate Professor of Chemistry
Instructor, Introductory Chemistry 1 (CHEM1111)
**CHEM 1111 – Regular**
5 Credit hours

- Chapter 1
- Chapter 2
- Chapter 3
- Exam 1
- Chapter 4
- Chapter 5
- Chapter 6
- Exam 2
- Chapter 7
- Chapter 8
- Chapter 9
- Exam 3
- Chapter 10
- Chapter 11
- Chapter 12
- Exam 4

Meeting times
Tu, Th 9:30 – 10:45
75 min RSD
3 hour Lab

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**ChemLab**

**CHEM 1111 – Modular Format**

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**Semester 1**

- **CHEM 1111-A**
  1 Credit hour
  Tu - 9:30 – 10:45
  Chapter 1
  Chapter 2
  Chapter 3
  Exam 1

- One 3 Hour Workshop
  Th 9:30 – 10:45
  Chapter 4
  Chapter 5
  Chapter 6
  Exam 2

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**Semester 2**

- **CHEM 1111-C**
  1 Credit hour
  Tu - 9:30 – 10:45
  Chapter 7
  Chapter 8
  Chapter 9
  Exam 3

- **CHEM 1111-D**
  1 Credit hour
  Th 9:30 – 10:45
  Chapter 10
  Chapter 11
  Chapter 12
  Exam 4

- **CHEM 1111-L**
  1 Credit hour
  3 Hour Lab

**ChemLab**
CHEM 1111 Introductory Chemistry I: 5 semester hours
Prerequisite: MATH 1030 (or a score of 26 or higher on either the Math ACT or the Missouri Math Placement Test) and MATH 1035 (MATH 1035 may be taken concurrently). Presents an introduction to the fundamental laws and theories of chemistry. Laboratory experiments are designed to demonstrate some aspects of qualitative and quantitative analysis and to develop skills in laboratory procedures. Chemistry majors may not include both CHEM 1011 and CHEM 1111 in the 120 hours required for graduation. Three hours of lecture, one and one-half hours of workshop, and three hours of laboratory per week.

CHEM 1111A CHEM 1111A-Introductory Chemistry 1 - Modular Format: 1 semester hour
Prerequisites: MATH 1030 (or a score equivalent to completion of MATH 1030 on the UMSL mathematics placement assessment). These courses (1111A-1111L) are identical in content to CHEM 1111 but are offered in a modular format. Each credit hour deals with the lecture or laboratory material covered in CHEM 1111. Completion of all five modules with a grade in each of C- or above is equivalent to completion of CHEM 1111. Chem 1111A covers the first quarter of lecture material covered in Chem 1111.

CHEM 1111B CHEM 1111B-Introductory Chemistry 1 - Modular Format: 1 semester hour
Prerequisites: CHEM 1111A. Concurrent registration with CHEM 1111A is permitted. CHEM 1111B covers the second quarter of lecture material covered in CHEM 1111.

CHEM 1111C CHEM 1111C-Introductory Chemistry 1 - Modular Format: 1 semester hour
Prerequisites: CHEM 1111B. Concurrent registration with CHEM 1111B is permitted. CHEM 1111C covers the third quarter of lecture material covered in CHEM 1111.

CHEM 1111D CHEM 1111D-Introductory Chemistry 1 - Modular Format: 1 semester hour
Prerequisites: CHEM 1111C. Concurrent registration with CHEM 1111C is permitted. CHEM 1111D covers the final quarter of lecture material covered in CHEM 1111.

CHEM 1111L CHEM 1111L-Introductory Chemistry 1 - Modular Format: 1 semester hour
Prerequisites: CHEM 1111D. Concurrent registration with CHEM 1111D is permitted. CHEM 1111L covers laboratory portion of CHEM 1111.