

**V157: M.Sc. (Mathematics with Computer Applications)****SLM Completion Status**

SN	Course Code & Name	SLM Completion Status
1	MAT501: Real Analysis	Completed & Uploaded on website
2	MAT502: Abstract Algebra	Completed & Uploaded on website
3	MAT503: Ordinary Differential Equations	Completed & Uploaded on website
4	MAT611: Programming in Python	Completed & Uploaded on website
5	RES505: Research Methodology	Completed & Uploaded on website
6	MAT506: Operations Research	Completed & Uploaded on website
7	MAT515: Number Theory	Completed & Uploaded on website
8	MAT508: Introduction to Probability and Statistics	Completed & Uploaded on website
9	MAT509: Topology	Completed & Uploaded on website
10	MAT510: Linear Algebra	Completed & Uploaded on website
11	MAT511: Partial Differential Equations	Completed & Uploaded on website
12	MAT512: LaTeX and Programming in SageMath	Completed & Uploaded on website
13	MAT507: Numerical Analysis	Completed & Uploaded on website
14	MAT518: Field and Coding Theory	Completed & Uploaded on website
15	MAT519: Statistical Inference	Completed & Uploaded on website
16	MAT601: Complex Analysis	Completed & Uploaded on website
17	MAT606: Discrete Mathematics	Completed & Uploaded on website
18	MAT613: Cryptography	Completed & Uploaded on website

**Link for SLM:**

[V157: MSc\(Mathematics with Computer Applications\){2025 Pattern} - Google Drive](#)



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**V157: M.Sc. Mathematics with  
Computer Applications {As per NEP 2020}**

**MAT501  
Real Analysis  
(4 Credits)**

**Semester - I**

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**Computer Applications {As per NEP 2020}**

**MAT502**  
**Abstract Algebra**  
**(4 Credits)**

**Semester - I**

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**V157: M.Sc. Mathematics with**  
**Computer Applications {As per NEP 2020}**

**MAT503**  
**Ordinary Differential Equations**  
**(2 Credits)**

**Semester - I**

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**V157: M.Sc. Mathematics with  
Computer Applications {As per NEP 2020}**

**RES505  
Research Methodology**

**(4 Credits)**

**Semester - I**

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**V157: M.Sc. Mathematics with  
Computer Applications {As per NEP 2020}**

**MAT611  
Programming in Python -  
Practical  
(4 Credits)**

**Semester -I**

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**2025**  
**Pattern**

**V157: M.Sc. Mathematics with**  
**Computer Applications {As per NEP 2020}**

**MAT506**  
**Operations Research**

**Elective**

**(4 Credits)**

**Semester - I**

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**MAT515  
Number Theory**

**Elective**

**(4 Credits)**

**Semester - I**

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**MAT508  
Introduction to Probability and  
Statistics**

**Elective  
(4 Credits)**

**Semester - I**

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# **MAT509 Topology**

**(4 Credits)**

**Semester - II**

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Computer Applications {As per NEP 2020}**

**MAT510**  
**Linear Algebra**

**(4 Credits)**

**Semester - II**

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**Computer Applications {As per NEP 2020}**

**MAT511**  
**Partial Differential Equations**

**(2 Credits)**

**Semester - II**

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**Computer Applications {As per NEP 2020}**

**MAT512**  
**LaTeX and Programming in SageMath**  
**Practical**  
**(4 Credits)**

**Semester - II**

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**Complex Analysis**

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**V157: M.Sc. Mathematics with**  
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**MAT606**  
**Discrete Mathematics**

**(4 Credits)**

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**MAT613**  
**Cryptography**

**(4 Credits)**

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