

*Looking for a summer  
research opportunity?*

### *Objectives:*

- ❖ *To introduce graph theory, multivariable polynomial rings, ideals, and algebraic invariants.*
- ❖ *To introduce ideals associated with graphs.*
- ❖ *To work collaboratively on algebraic invariants of ideals associated to graphs.*

**Five-week summer  
research program:  
May 13 to June 16,  
2024**

**Stipend: \$3600**

**Eligibility: At least a  
course in linear algebra.  
Preferably some exposure  
to Abstract Algebra or  
Graph Theory**

**Application procedure:  
Send a brief statement of interest  
and unofficial transcripts to  
[arvkumar@nmsu.edu](mailto:arvkumar@nmsu.edu)  
by Mar 8, 2024**

**Information Contact:  
Dr. Arvind Kumar  
[arvkumar@nmsu.edu](mailto:arvkumar@nmsu.edu)**